e Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 566 .-- Vol. XVI.

LONDON: SATURDAY, JUNE 27, 1846.

PRICE 6D.

THE MANOR OF NORTON CAINES, STAFFORDSHIRE

THE MANOR OF NORTON CAINES, STAFFORDSHIRE.

VALUABLE AND IMPORTANT COAL-FIELD, comprising the MANOR of NORTON CAINES, near Walsall, Staffordshire; also various parcels of LAND on NORTON HATH.—TO BE SOLD, BY AUCTION, by Messra. HOGGART & NORTON, at the Swan Hotel, at Wolverhampton, on Tuesday, the 7th day of July next, at Twelve o'clock, by direction of the surviving trustee under the will of the late T. Geldart, Esq.:—

LOT 1.—TWO undivided THIRD PARTS of the extensive and important MINES of COAL and IRONSTONE, in the manor of Norton Caines, extending over nearly 900 acres of unwrought coal. The character of Brownhill's Deep Coal has been so long established, that no comment is necessary. This property is situate near Walsall, in the very heart of all the great manufacturing towns, and possesses the advantage of being within a short distance of the Wyrley and Essington Canal, so that a short line of rail from Norton Caines would place the coal in the barges of that company, and the charges for transit are very moderate. Also, the RIGHT of SPORTING over the MANOR of NORTON CAINES, extending over about 110 acres of land, abounding with grouse and game, with right of failstry, adjoining to the extensive preserves of the Marquis of Angiesey, Beaudesert—a valuable sporting lot for a gentleman fond of shooting.

LOTS 2, 3, and 4, comprise about FORTY-EIGHT ACRES of FREEHOLD LAND, on NORTON HEATH.

May be viewed, and printed particulars had, 16 days prior to the sale, of P. A. Gordon, Esq., salicitor, Symmod's Inn. London, at the George, Walsall; of Mr. Bagnall, mineral agent, Sand-pits, Birmingham; at the Swan, Wolverhampton; at the Mart; and of Hoggart and Norton, Old Broad-street, London.

TO ENGINEERS, RAILWAY CONTRACTORS, AND OTHERS.

R. R. K. DAVIS begs to announce, that he has received instructions from the company to SUBMIT TO PUBLIC COMPETITION, on sday, the 16th of July, at One o'clock, in Six Lobs, at the Auction Mart, Bartholo-lane, the whole of the PLANT and MATERIALS of the EXPERIMENTAL RAILWAY ON WIMBLEDON COMMON,

EXPERIMENTAL RAILWAY ON WIMBLEDON COMMON, constructed to show the working of Prosser's Patent Guide Wheels: comprising—A LOCOMOTIVE-ENGINE and TENDER, in excellent working order, with 12-inch cylinders, 18-inch stroke, and adapted to the usual gauge of 4 ft. 8 g in. A second-classe CarRitaGe and THREE LUGGAGE WAGGONS, all fitted with Prosser's Patent Guide Wheels; which, although constructed to run on a wooden rail, possess the singular advantage of working equally well on rails of any other description, with less friction than the common fiange-wheel.

Also, about 1400 cubic feet of 6-inch BEEGH QUARTERING; and 3300 9-feet FIR SLEEPERS, 12 ft. by 6 ft., and 10 ft. by 5 ft.—now forming 14 mile of the experimental railway; about SIX TONS of IRON RAILS and CHAIRS; and the MATERIAL's forming the sheds, offices, and cottage.

May be viewed (any day) between the hours of Eight and dusk, and particulars obtained at the usual inns in the neighbourhood; on the premises, Wimbledon; at the offices of the company, 36, New Broad-street; and of Mr. R. K. Davis, 68, Mark-lane.

SOUTH STAFFORDSHIRE. VALUABLE MINERAL PROPERTY, CRADLEY, near STOURBRIDGE.—Messrs. OATES & PERRENS beg to announce to CAPITALISTS, and the PUBLIC generally, that they have received instructions to OFFER FOR SALE, a very valuable MINERAL PROPERTY, at Notherend and Cradley, in the immediate neighbourhood of Stourbridge. It will be divided into lots of suitable size, and will be offered at the Talbot Hotel, Stourbridge, on Friday, the 24th day of July, 184 punctually at Five o'clock in the afternoon.

-Frinted particulars, with Plans annexed, may be had on application to Messrs. Hijves and Son, solicitors, Halesowen; Mr. J. Mathews, Park Hall, Kidderminster; or of the auctioneers, Stourbridge.

O CAPITALISTS, DISPOSED TO GO INTO THE IRON TRADE.—The ADVERTISER has a LONG LEASE of MINERAL PROPERTY, atte on the sea side, in GLAMORGANSHIRE, containing upwards of EIGHTY MILDONS of TONS of Workshide GOAL, and FORTY MILLIONS of TONS of IRONSTONE, of excellent quality, for the manufacture of iron; and he wishes to NEGOTIATE with ERSON, or COMPANY, to PUT UP WORKS that should produce, in the first year, in \$500 to 10,000 tons of pig-iron, with a profit of full £2 per ton.—Pro-paid inquiries research of Mr. S. B. Rogers, Nantyglo, Monmouthshire, duly attended to.—June Landon and Company of the Compa

GENTLEMAN, who is competent of INSPECTING RAILS, is desirous to ENGAGE himself to any RAILWAY COMPANY, who may have as cassion for a person in that capacity in the South Wales fron district.—For card of artess, apply to the Editor of the Mining Journal, 36, Fleet-st., London, inclosing a state.

GENCY IN IRELAND—IN THE BAR AND CASTIRON TRADE, PATENT INVENTIONS, &c.—A GENTLEMAN, for several years
connected with the iron trade, having a central office in Dublin—at present agent in Ireland for a foreign house, visiting periodically the chief towns—would undertake an
AGENCY, as above.—Letters, from principals only, addressed "Agent," care of Messay.
Fisher and Co., news and advertising agents, 13, Westmoreland-street, Dublin, will be
duly attended to.

O MINING AND RAILWAY COMPANIES, &c.-A GENTLEMAN, who has had upwards of 18 years' experience in mining and rail-way engineering, is in WANT of a SITUATION, as COLLIERY VIEWER, MINING or RAILWAY ENGINEER. First-rate references can be given, and will be required.— Letters (port-paid), addressed "Q. R. S.," Post-office, Newsatile-on-Tyne, will receive immediate attention.—N.B. The advertiser has no objections to go abroad.

WANTED, FOR THE GLEN OSMOND MINE. ADELAIDE, SOUTH AUSTRALIA, a competent MINING CAPTAIN.—
ne inclined to undertake the situation, is requested to state his terms, and send his
roulals, which must be quite unexceptionable, both as regards skill and character
in Offord, Esq., St. Austell, Cornwall.

TEAM COAL.—The BYNEA COLLIERY TO LET, with immediate possession. It is situate close to the lines of the Lianelly and South Vales Rallways; on the former of which the coals are carried for shipment to the Lianelly Dock—a distance short of three miles from the colliery. The Spitty Copper Works re contiguous, to which easy access might be had over the land of the proprietor of the olliery. If at any time those works should be again carried on. The BYNEA COAL has een highly approved of for STEAM PURPOSES and PATENT FUEL, and is in good amand for smiths, and other uses, particularly in the Dublin market.

The FLANT, consisting of a 40 and 20-horsa power ENGINES, &c., to be taken of the ELANT, consisting of a 40 and 20-horsa power ENGINES, &c., to be taken of the Company of the Company, xo. 9, Old every Chambers, London.

TEAM COAL-WITHOUT SMOKE, as per experiments

made at her Majesty's Dockyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.)

OFFICES—2, MOORGATE-STREET, LONDON.

The directors are now prepared to supply steam ship companies, manufacturers, shippers, and others, with the company's steam coal, either at the company's wharfat Swansea, or a London. A statement, showing by comparative trial the superiority of this coal for team purposes over every other, and a scale of prices, may be had on application at the ompany's offices here, or at their wharf at Swansea.—March 18, 1846.

THEAL ROSE TIN MINE.—This MINE is situated in the ratio of BUCKFASTLEIGH, near ASHBURTON: it is an extensive sett—uput miles square—and is admitted to be one of the richest mineral deposits in mr, it is held at the low dues of 1-18th, for a term of 21 years. This mine is a beautiful strata of ground, the soft decomposed granite adjoining the juncses strata; also, well situated for water for all machinery that may be required. the kingdom; it is held at the low dues of 1-18th, for a term of 21 years. This mine is attituted in a beautiful strata of ground, the soft decomposed grantie adjoining the junction of killas strata; also, well situated for water for all machinery that may be required to work the mine effectivally. An addit level has been driven on the course of the deabout 100 fathoms, the backs over which are worked away to a great extent for fin. It is another than the supposed that this adis and workings were made by the old miners hundreds of years ago. Thore is a good course of the going down in the bottom of the adjit level, for many fathoms in longth; also, there is an engine-shaft sunk 14 fathoms from surface, and the level is extented 40 fathoms east, by the side of the lode; the lode is cut through in many places, which are all productive for tim. It is a large strong lode, from four to six feet wide; about 18 fathoms east of the eshaft, a good course of the going down in the bottom of the 10 fathom level, from 10 to 12 inches wide—solid; also, 20 fathoms north of this lode, we have sunk a shaft four fathoms in depth, and discovered a lode two feet wide, composed of spar, prian, and tim—the timy part of the lode is eight inches wide—good saving work. This lode is quite a hew discovery and has not yet been proved at any depth; an adit can be brought on the lode at the depth of 12 fathoms. From the present appearance of this lode, it is evident there can be a great quantity of the returned at a little expense; also, there is a good opportunity for driving adit levels on other lodes, to prove them, from 20 to 00 fathoms in depth. There are 12 productive the lodes, with large workings at the surface in this sett; also a new discovery of a copage lode, 24 feet wide; composed of kinding gossan, spar, and mundle, and good stones of our titer lo lodes, with large workings at the surface in this set; also a new discovery of a copage lode, 24 feet wide; composed of any workings having been commenced; or, in fact, of any thing

STEAM-ENGINES.—From 8 to 20-horse power ENGINES

Apply to Mr. CAPPER, ENGINE-MAKER and FOUNDER, BIRMINGHAM

TMOSPHERIC RAILWAY .- (Important to all concerned in the Formation and the Working of Railways).—FULL-SIZED WORKING MODELS OF CLARKE and VARLEY'S RESILIENT ATMOSPHERIC RAILWAY TRACTION TUBE will be at WORK on TUESDAYS, THURSDAYS, and SATURDAYS, between the hours of One and Four o'clock, at No. 8, JOHN-STREET, CAMBRIDGE HEATH, when the patentees will be happy to give every information required.

HALLETTE'S ATMOSPHERIC RAILWAY AND CANAL PROPULSION COMPANY.

Notice is hereby given, that an EXTEAORDINARY GENERAL MEETING of the shareholders of this company will be HELD at the offices, Winchester-house, No. 52, Old Broad-street, on Thursday, the 9th of July next, at Two o'clock precisely.

By order of the board, EDWARD J. COLE, Secretary Winchester-house, 52, Old Broad-street, June 23, 1846.

DUFFRYN LLYNVI AND PORTHCAWL RAILWAY. VFFRYN LLYNVI AND PORTHCAWL RAILWAY.

—Notice is hereby given, that a sufficient number of proprietors of the said railway, for the election of a committee for the onsuing year, not having been present, either in person or by proxy, at the General Annual Meeting of the said company, held at the Wyndham Arms Inn, at Bridgend, in the county of Giamorgan, on Monday, the lat of June inst., or at another meeting of the said company, held at the same place, on the 15th of June inst., the same GENERAL MEETING Stands ADJOURNED to Monday, the 29th of June inst.—on which day the said meeting will again be HELD, at the Wyndham Arms Inn, Bridgend, pro forma, and adjourned for business to a future day, of which day notice will be given.

W. S. BRADLEY, Clapke.

EDINBURGH, LEITH, AND GRANTON RAILWAY. EDINBURGH, LEITH, AND GRANTON RAILWAY.—
The directors of this company are ready to RECEIVE TENDERs for LOANS, on
bebenture Bonds, for sums of not less than £500, for a period of three years, at the rate
44 per cent., payable at the terms of Martinmas and Whitzunday, by the undermenloned bankers:—London—Messrs. Leyland and Bullins.

**Liverpool—Messrs. Leylan

ONDON AND OXFORD (late London, Oxford, Cheltenham,
Gloucester, and Hereford Railway).—The SHAREHOLDERS are informed, that
ALANCE-SHEET of the accounts of the company—prepared by the auditors—is now
ADY for their INSPECTION, at this office.—Shareholders who have not yet claimed
first instalment of 5s. per share, are earnestly requested to send in their scrip without READY for their INSECTIONS, at the carnestly requested to delay, in order that the second instalment may be announced the company finally closed.

By order,

13, Old Jewry Chambers, London, June 25, 1846.

NORTHUMBERLAND AND LANCASHIRE JUNCTION NORTHUMBERLAND AND LANCASHIRE JUNCTION
RAILWAY COMPANY.—(REGISTERED PROVISIONALLY.)
The subscribers to this undertaking having failed to give the number of assents required by Parliament for carrying it on, the directors are proceeding—pursuant to the resolution passed at the general meeting of ahareholders, held in London, on the 4th inst.—to wind it up, with all practicable dispatch.—Holders of scrip, and bankers' receipts, for deposits, are requested forthwith to forward the same, with their names and addresses—endorsed to the secretary, at the company's offices, Quay-side, Newcastle-upon-True, who will acknowledge the receipt thereof.

After the expiration of seven days from the receipt of the scrip, the secretary will be prepared to PAY to the holders, or whom they shall, by writing, appoint to receive the same, TWENTY-FIVE SHILLINGS, in respect of each share upon which a deposit of 42s. has been paid; and at the same time, to deliver certificates (in fleu of the scrip and bankers' receipts), entitling the holders to a rateable proportion of the funds which shall remain, after payment of the said sum of 20s. per share, and after satisfying and discharging all liabilities and expenses.

By order of the directors,

Company's Offices, Quay-side,

Newcastle-upon-Tyne, June 26, 1846.

**INDICEST ELANDERS RALLWAYS—NOTICE OF CALL

WEST FLANDERS RAILWAYS.—NOTICE OF CALL WEST FLANDERS RAILWAYS.—NOTICE OF CALL.

—Notice is hereby given, that the directors have made a further CALL of TWO
POUNDS per share on each and every share in this undertaking, and that the same is
made PAYABLE on the 12th day of June next. The proprietors are required to pay the
same, on or before the 12th day of June next, to Messrs, Glyn, Halifax, Mills, and Co.,
bankers, Lombard-street, London. Interest, at the rate of 5 per cent, per annum, will
be charged on all sums remaining unpaid after the said 12th day of June; and if any call
shall remain unpaid within one month from that date, the shares will become absolutely
forfeited, according to the statutes of the company.
The proprietors are further informed, that, after the payment of this, the third instalment, is effected, they will be entitled to receive certificates, which may, at their option,
be registered in their own names, or payable to bearer.

(Signed)

W. P. RICHARDS, Presides
WILLIAM JESSE, Secretary

11, King William-street, Mansion-house, London.

11, King William-street, Mansion-house, London,

PENNANT LEAD AND COPPER MINING COMPANY

ENNANT LEAD AND COPPER MINING COMP.

DINAS MOWDDWY, COUNTY MERIONETH.

8000 shirets.—Deposit £1 per share.

COMMITTEE OF MANAGEMEND.

Joseph Carrington Ridgway, Esq., Roehampton Lodge, Roehampton B. Forrester Scott, Esq., Park-street, Westminster

Calverley Richard Bewicke, Esq., Barsham House, Becclos

Charles Dunbar Atkinson, Esq., Wakefield

William W. Mansell, 120q., Dorchester-place, Blandford-square.

COSSULTING ENGINEER.

Thomas Kitto, Esq., Jun., Civil Engineer and Mineral Surveyor, Redruth.

SOLICTORS.

SOLICITORS.

SOLICITORS.

ESSIS. Pocock and Marston, 10, Norfolk-street, Strand.

BANKERS.

Messrs. Cocks, Biddulph, and Biddulph, London. OFFICES-No. 4, SALISBURY-STREET, STRAND, LONDON.

Measrs. Cocks, Biddulph, and Biddulph, London.

OFFICES—No. 4, SALISBURF-STREET, STRAND, LONDON.

PROSPECTUS.

Pennant Lead and Copper Mine selt extends over about 900 acres, and is situated in the centre of the lordship of Mowddwy, county Merioneth, which is admitted to be one of the richest mineral deposits in the kingdom. It is held under lease from the lord of the said manor, at the usual royalty of 1-10th, for a term of 21 years, renewable for the same period, on payment of a fine.

Pennant is in the immediate vicinity of the mines, on the same manor, of Craigwen, Foel Rhydd, and Cowarch, which are in course of most satisfactory working, and producing ore, which yields from 70 to 80 per cent. of lead, in addition to a considerable quantity of silver. These facts, of themselves, are sufficient to show the value of the property; and as nearly all the lodes on these setts cross Pennant, there is every reason to expect an equally favourable result; while the rapidly-increasing value of lead encourages the more extensive expenditure in the workings, which a company would do. It is a well-known fact, that the requirements of lead follow those of iron; and it is almost superfluous to allude to the extraordinary and increasing demand which exists for the latter.

The backs of several of the veins have been exposed, and an adit is in course of driving. The high road from Bala to Mallwyd runs along the sett, and the River Dovey is at the base of the mountain. It is about 12 miles from the port of Derwen Lus; but, as various projects are before the public for railway communication in this district, there is little doubt but that a short time will furnish direct and speedy transit to London, Liverpool, &c., and wholly supersede the necessity of having recourse to water carriage.

The bill for the Worcester and Porth Dynllaen Railway, brought forward by the Great Western Railway Company, has been read a second time in the flouse of Commons. The line runs near to the Pennant Mine, as shown on the map.

There is an abund

troublesome an operation in Cornwall, and other places which is so expensive and mish such natural facilities.

The object of the company is to develope and bring into fall work the various resources of this set, and to be in a position to make arrangements in respect to other sets, should the shareholders hereafter so determine. The capital formed from the payment of deposits will be fully sufficient to wake the Pennant sett.

The operations of the company he carried on under the "cost-book" principle, which exempts the company from the provisions of the Act for the Registration of Joint-Stock Companies (7 and 8 Vic., cap. 110), the 63d section of which enacts:—

"Provided always, and be it enacted, That nothing in this Act contained shall extend, or be construct to extend, to any partnership formed for the working of mines, minerals, and quarries, of what nature soever, on the principle commonly called the contributer that the capital realised from the deposit is considered a sum available to the capital realised from the deposit is considered a sum available to the capital realised from the deposit is considered a sum available.

minerals, and quarries, of what nature soover, on the principle commonly called the cost-book principle.

The capital realised from the deposit is considered a sun sufficient to bring the undertaking into a paying state; but, in the event of more being required for general purposes, the left clause of the "cost-book" provides—

"That no further call than that authorised by the fourth resolution (the deposit) shall be made before the 1st day of January, 1847, and that three months' clear notice of every future call shall be given by the purser for the time being, by circulars to be sent to each adventurer or shareholder, by peat—provided always that a period of three calendar months shall elapse between the making of any two calls, and that no call shall exceed the sum of £1 per share."

Under the "cost-book" principle, shareholders have the right of determining their responsibility by giving notice of their intention to relinquish their shares, and on forfeiture of all previous payments. The 21st clause states—

"That any adventurer or shareholder may determine his or her responsibility or liability, with respect to the affairs of this mine, upon his, or her, giving notice, in writing, to the purser of the company for the time being, of his, or her, desire of retiring from the company; and also upon depositing with the said purser the share or shares; for the company in respect to such share or shares."

For the original purchase of the grant, the sum of 2500%, will be required; and, in con-

sideration of the works done in developing the mine, and of the transfer to the compa of the lease of Pennant, with all its rights and privileges, the present lease to have 6 paid-up shares, in addition to the sum of £500, which he has already paid for works and other expenses.

Applications for shares to be made to the purser, at the offices of the company, No. Salisbury-street, Strand; to the solicitors, Mesers, Peccek and Marston, No. 10, Norfol street, Strand; or Charles Godwin, Esq., 2, Royal Exchange-buildings, where prospectus reports, maps, and every information may be obtained.

JAMES LANE, SHARE AGENT,

JOHN PHILLIPS, MINE SURVEYOR AND REPORTER, POOL, ILLOGAN, CORNWALL,
OFFERS his SERVICES, by the promptest attention, to any business of INSPECTION and ADVICE.—Terms, One Guinea per day, besides consequent expenses.

WILLIAM TRENERY, DEALER IN RAILWAY AND MINING SHARES.—ESTABLISHED TEN YEARS.

OFFICES, No. 50, THREADNEEDLE-STREET, LONDON.

PAUL RABEY, Jun., and CO., MINE AND RAILWAY
SHARE AGENTS.
OFFICE-No. 12, COPTHALL-COURT, LONDON.

WILLIAM FOX AND SON, No. 53, CASTLE-STREET, LIVERPOOL, have always on SALE PIG-IRON, RAILWAY BARS, CHAIRS, and IRON of every description.—TIN PLATES, WIRE, &c.

ESSRS. LAMOND, SMALE, and LAMOND'S PUBLIC SALE OF RAILWAY SHARES, &c., are HELD, at the Hall of Commerce, predatedles-treet, every TUESDAY and FRIDAT, at One o'clock precisely.—Orders ceived until Four o'clock of the day prior to sale.—London, June 19, 1846.

MINING OFFICES, REMOVED FROM 16, CORNHILL, to 1, THREE KING COURT, LOMBARD-STREET.—Mr. R. TREDINNICK (of Cornwall), having established PRACTICAL AGENTS and CORRESPONDENTS in every MINING DISTRICT, whereby he obtain early and accurate information respecting MINES, proferor his services to capitalists and adventurers in the PURCHASE and DISPOSAL of SHARES.

MINING PROPERTY.—CAPITALISTS who are disposed to invest in cornists and foreign mines, will find the present opportunity very favourable for so doing. From large sums having been lately diverted from such invostments for railway speculations, standard mines are now selling at prices that will pay the purchaser 20 per cent. per annum for his outlay. There are also other mines that are on the eve of paying dividends, which can be recommended with confidence. Applications to be made to Mr. JAMES HERRON, mining agent, No. 3, Adam's could broad-street, London.

MINING OFFICES, No. 1, ST. MICHAEL'S-ALLEY,
Messrs. WATSON & CUELL have received instructions to PURCHASE SHARES in
West Caradon, West Maria, Wheal Mary Ann, Trewallack, Stray Park, Condurrow, and
Wheal Gill Minee; and have FOR SALE, SHARES in East FOO, Wheal Bucketts, Trelawney, Marke Valley, South Caradon, Holmbush, Devonshire Great Consols, &c.
Mr. WATSON, F.G.S., having RETURNED from a MINING TOUR through the counties of CORNWALL and DEVON, will be happy to give any INFORMATION with regard to the MINES—some of which, at this moment, are paying 18 and 20 per cent. 10 or
market prices.

ROYAL SANTIAGO MINING COMPANY.—Notice is the hereby given, that the ANNUAL GENERAL MEETING of the sharehenders will be HELD at the office of the company, on Wednesday, the 5th of July next. The chair will be taken at One o'clock precisely, when the directors will make their report, and one sider of a dividend.—38, Broad-street-buildings, June 18, 1846.

CALLINGTON MINES COMPANY.—The directors having met this day, pursuant to the Notice issued to the shareholders, for the purpose of ELECTING a DIRECTOR, in the room of P. Stainsby, Esq., who had resigned his seat; and it appearing that only one shareholder—holding 10 shares in this company-had signified his dissent to Mr. Stainsby's re-election, it was resolved unanimously:—

"That PETER STAINSBY, Esq., be RE-ELECTED a DIRECTOR of this company"
44, Finsbury-square, June 15, 1846. (Signed) R. HODGSON, Chairman.

SILVER VALLEY MINING COMPANY.—At the First
Annual General Meeting of the adventurers, held, pursuant to circular, at the offices of the company, 44, Finsbury-square, on Friday, the 12th day of June inst.,
It was resolved,—
Moved by Mr. Hayne, seconded by Mr. J. E. Goodbart, and carried unanimously.

1. That the reports and accounts now read be received, adopted, and entered in the
cost and transfer book.

cost and transfer book.

Moved by Mr. J. E. Goodhart, seconded by Mr. J. Smith, and carried unanimously,
2. That the thanks of the meeting be given to the chairman and the directors, for the
able management of the affairs of the company.

R. HODGSON, Chairman.

VENTON GIMPS MINING COMPANY.

ENTON GIMPS MINING COMPANY.

1000 shares (on the cost-book system.)

PROVISIONAL COMMITTEE.

JAMES HAY, Esq.

A. L. MOCATTA, Esq.

GEORGE MACKAY, Esq.

Forms of application for shares, and full particulars, to be obtained at the office, No. 4, Austinfriars; or of Mr. Richard Thomas, mining agent, 8, George-yard, Lombard-street.

London, June 3, 1846.

IMPORTANT TO ENGINEERS, MANUFACTURERS,
Messrs. W. & C. MATHER beg to call the attention of the ABOVE PARTIES to their
IMPROVED ELASTIC METALLIC PISTONS.

IMPROVED ELASTIC METALLIC PISTONS.

The PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT is J

1. Its great ELASTICITY and SELF-ADJUSTING PROPERTIES, which enable it to yield to any inaccuracy of the cylinder, whether oval or taper, and to move with the least possible friction.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of metal. having the vertical and lateral pressure in due and proper proportion, independent of each other.

3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.

Messrs. W. & C. MATHER feel confident that it is the BEST ELASTIC METALLIC PACKING yet known, for the above, reasons.

PACKING yet known, for the above reasons.

Models may be seen at the Salford Iron-Works, Manchester; at W. Barker's, engineer, Newton-Boor; and also at J. Mather's, engineer, Beaufort-street, Chelses, London.

NOTICE TO THE MANAGERS OF MINING COMPANIES, Mr. MITCHELL (late Mitchell and Field) begs to announce, that ASSAYS and ANALYSES of all descriptions of ORES, MINERALS, and FURNACE PRODUCTS, are conducted at his LABOFATORY, 23. HAWLEY ROAD, KENTISH TOWN, to which direction all communications are to be addressed.

N.B.—Instruction in all branches of assaying and mineral analysis as usual?

MANUAL OF PRACTICAL ASSAYING: intended for the USE OF METALLURGISTS, CAPTAINS OF MINES, AND ASSAYERS IN GENERAL, with a copious Table, for the purpose of accertaining, in assays of gold and aliver, the precise amount, in ounces, pannyweights, and grains, of noble metal contained in one ton of ore, from a given quantity.

By JOHN MITCHELL, Member of the Chemical Society.

London: H. Baillière, publisher, 219, Regent-street.

TO ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE for MACHINERY and AXLES of overy description.—JOSEPH PERCUAL'S IMPROVED ANTI-FRICTORO GREASE is—star trials on machinery and aleas of every kind whose constant friction is kept up—admitted to be the most useful, economical, and best preparation of the kind ever offered to the public.

References to scientific and practical men can be given, and testimodals shown of its creat excellence.—Samples forwarded on acadicals.

MANUFACTURERS' MUTUAL PROTECTION SOCIETY

ROBERT ALEXANDER GRAY, Esq., 29, St. Swithin's-lane.

JOHN RATLIFF, Esq., Wood-street, Cheapside.

JOSEPH TRITTON, Esq., Lombaris-freet.

Messrs. Barclay, Bevan, Tritton, and Co., London.

Solicitors.

Messrs. Vallance and Vallance, 20, Essex-street. Strand, London.

Messrs. Vallance and Vallance, 20, Essex-street. Strand, London.

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CHARLES MACINTOSH & CO.

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as the India Rubber does for assess the meet be wasted.

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FLEXIBLE HOSE for fire-engines, brewers' purposes, gas, &c.

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Mining Correspondence.

ENGLISH MINES.

BARRISTOWN.—The lode in the 18 fm. level east is 2 ft. wide, producing about 15 ten per fm; the lode in the 18 fm. level end west is 2 ft. wide, producing over 2 tons per fm. The ends east and west of the winze, sinking under the 12 fm. level, looks well, profucing over 2 tons per fm. cach; the lode in the adit end east is about 18 in. wide, producing good stones of ore. The pitches through the mine are looking well. We are expecting a vessel daily to take a cargo of silver-lead ore. We are exerting the utmost of our ability to complete the erection of flat-rods to Nangle's shaft. We got a good stone of ore this week in sinking the flat-rod shaft.—T. Argove: June 19.

this week in sinking the flat-rod shaft.—T. Argove: June 19.

BEDFORD UNITED.—At Wheal Marquis, very little has been done in the 80 fm. level east since my last, the water having been turned out of the canal. The lode in the 70 fm. level east is 2 ft. wide, producing saving work; and in the stopes, in the bottom of this level, the lode is 2 ft. wide, and worth 20t. per fm. The lode in the 58 fm. level east is 18 in. wide, and unproductive. At Ding Dong, the lode in the 24 fm. level west is 2 ft. wide, composed of spar, mundic, and tin. At Wheal Tavistock, there is no alteration of importance in either of the levels driving on this lode. The lode in the south engine-shaft is still 9 ft. wide, composed of gossan, spar, and ore. The lode in the adit level is 15 in. wide, spar and mundic.—James Phillips. June 28.

is 15 in. wide, spar and mundic.—James Phillips: June 28.

CALLINGTON.—Johnson's engine-shaft is now down 5½ fms. below the 112 fm. level; the ground is not quite so favourable for sinking at this level; driving north, the lode is improving, the back will set at a moderate tribute; in the south end, the lode is much disordered, being mixed with fragments of the country, producing silver-lead ores; in driving the next 5 fms. we calculate meeting with a good shoot of ore gone down in the level above; we also expect this will drain the winze, which we are now prevented from sinking by the quickness of water. In the 100 fm. level north the lode is split in branches, producing silver-lead ores; in the south end, we are opening good tribute ground. In the 90 fm. level, both north and south, the lode continues good; the backs will set at 7s. in the 1/L, on the value of the lead; the same may be said of the lode in the winze, sinking below this level. In the 80 fm. level, driving north, we are opening tribute ground. At the north mine, we have nothing new to remark on.—J. T. Phillips: June 22.

CONSOLIDATED TRETOIL.—The lode in Henvood's shaft, sinking un-

nothing new to remark on.—J. T. Phillips: June 22.

CONSOLIDATED TRETOIL.—The lode in Henwood's shaft, sinking under the 70 fm. level, is 15 in. wide, saving work; in the 70 fm. level west the lode is 1 ft. wide, unproductive; in the rise, in the back of the 70 east, the lode is 1 ft. wide, orey throughout. In the 60 fm. level, west of Williams's shaft, the lode is 9 in. wide, producing a small quantity of ore; the lode in the winze, in the bottom of the 60 fm. level, west of Henwood's shaft, is 18 in. wide, producing saving work; in the 60 fm. level, east of Henwood's shaft, the lode is 9 in mide, opening tribute ground; in the 50, east of John's engine-shaft, the lode is 15 in. wide, producing good stones of ore, and is a kindly lode. Tregillas's lode, at the 40 fm. level, east of Russel's shaft, is 6 in. wide, producing some stones of ore.—June 22. of ore.-June 22.

is 16 in. wide, producing good stones of ore, and is a kindiy load. Preginas I lode, at the 40 fm. level, cast of Russel's shaft, is 6 in. wide, producing some stones of ore.—June 22.

EAST TAMAR CONSOLS.—At Whitsun, at the 46 fm. level, south of Hitchins's shaft, the lode is 20 in. wide, good work; at the 46 fm. level, north of ditto, the lode is 18 in. wide, saving work. At the 36 fm. level, north of ditto, the lode is 2 ft. wide, very kindly. The tributers in this-part of the mine are getting wages. At Furzehill, the engine was got in regular course of working on Saturday last; it is working very steady. The 30 fm. level south is looking very promising, the lode is 15 in. wide, good work.—B. Rohns: June 22.

GREAT WHEAL MARTHA.—The lode in the 60 fm. level east is small and unproductive. At the new mine, the lode in the 60 fm. level east is 8 ft. wide, consisting of mundic and copper ore in capel, with veins of quartz and decomposing felspar; the eastern end has been driventhrough the rock on the upper wall of the lode, during the last fortnight; in cutting into this wall yesterday, we discovered that the lode produced saving work, and we, consequently, set the men to drive through it; when this is accomplished, you shall be duly apprised of it; we have never seen any part of the lode, east of the cross-cut, look so promising, or containing near so much copper, as it does at this point; we shall be glad to find, and to report to you, that it is a continuous shoot, and not merely a few stones of ore. The lode in the 10 fm. level week; the pitch in the back of this level has been very poor, and we have, therefore, suspended working that part for the present, and have commenced rising where the water contained most copper in solution, and we are glad to say the lode is opening favourably, producing good work. The new engineshalt is sunk 10 fms. below the deep adit level, and the men have 6 ft. more to sink to complete their bargain; the ground continues as favourable for sinking as we would wish to see it. We s

W. KICHARDS: June 23.

HANSON.—At Treza, our engine-shaft is suspended for the present, and the sumpmen are driving the 22 fm. level, east of engine-shaft, on Stainsby's lode; the lode is 2 ft. wide, in which there is a branch of ore 6 in. wide—this end never looked so well before. In the bottom of the 12 fm. level, east of engine-shaft, on caunter lode, there is a good branch of ore 8 in. wide. At Hanson the materials are all drawn to surface.—Z. WILLIAMS: June 22.

HARROWBARROW CONSOLS.—We are still sinking Brower shaft, and are about 10 fms. under deep adit; the water is much as was stated in last week's report; the lode is about 1½ ft. wide—a good looking lode, but not rich.

B. COOKE: June 25.

—B. COORE: June 20.

HARROWBARHOW OLD MINE.—The 35 fm. level west is producing some good stones of copper ore; I think we have not many fathoms to drive west, before we get under orey ground, and shall have a good course of ore. The shaftmen are still engaged in altering the pitwork. The tin shaft is sunk about 10 ft.; we are getting on well in driving to get under the said shaft, and have commenced driving on the tin lode, and have a good lode.—B. Cooker June 25.

IN It.; we are getting on well in driving to get under the said shaft, and have commenced driving on the tin lode, and have a good lode.—B. Cooke: June 25. HAWKMOOR.—The lode in the 15 fm. level, east of Hitchins's shaft, is about 2½ ft. wide, producing good stones of ore.—P. Richards: June 28.

HOLMBUSH.—Hitchins's shaft is sunk about 3 fms. below the 120 fm. level, the ground in still favourable for sinking; we intend to sink 8 ft. below this level previous to cutting trip plat—viz.: 6 ft. for the plat, and 2 ft. for the fork. In the 120 fm. level, west of Hitchins's shaft, the cross-course is hard and troublesome for driving through; there has been a little increase of water in the past week. In the 110 fm. level, west of Hitchins's shaft, the lode is 10 in. wide, and worth 12! per fm. In the 100 fm. level, west of ditto (on the north part), the lode is 12 in. wide, composed of spar, mundic, and stones of ore; in the 100 fm. level, west of lead lode (on the south part), the lode is 15 in. wide, composed of spar, mundic, and stones of lead; in the same level, driving north, the lead lode is 2 ft. wide, composed of flookan and spar. In the 90 fm. level, west of Hitchins's shaft (on the north part), the lode is 12 in. wide, composed of spar, mundic, and occasional stones of ore. The rise in the back of the 80 fm. level is without alteration. In the 62 fm. levelsouth the lead lode is 2 ft. wide, composed of flookan, spar, and spots of lead.—W. Lean: June 28. LEAN: June 23.

LEMN: June 23.

LEMIS.—At Wheal Nutt engine-shaft, the lode in the 60 fm. level end east is 1 ft. wide, producing some tin; the lode in the 60 fm. level end west is 18 inches wide, producing some good spots of yellow ore; this lode has a promising appearance. The lode in the 50 fm. level end east is 2 ft. wide, producing some tin; the lode in the 50 fm. level end east is 2 ft. wide, producing some tin, and spots of yellow ore. The lode in the 40 fm. level end east is 14 inches wide, worth 30s. per fm. for copper ore. The lode in the 40 fm. level end west is 3 feet wide, worth 35s. per fm. for copper ore. The lode in the 30 end east is 5 feet wide, producing some tin, and spots of yellow ore, a very kindly lode; the lode in the 30 end west is 2 ft. wide, worth 35s. per fm. for tin: we have driven a cross-cut south at this level, and cut the middle lode; we hope to open some ground here, which will work at tribute. The lode in the 20 fm. level end west is 2 ft. wide, working with the beck at 10s. tribute. Scaden's lode, west of the cross-cut is 8 in. wide; the tributers working on this lode are getting wages in their tribute; we are continuing to drive the cross-cut north at this level in a soft strata of ground -S. S. Nost; P. Eddy. June 20.

SOUTH WHEAL TRELAWNEY.—Sobey's lode is 20 in. wide, composed

soft strata of ground.—S. S. Nogl.; P. Eddy: June 20.

SOUTH WHEAL TRELAWNEY.—Sobey's lode is 20 in. wide, composed of gossan, spar, and soft white killas, with specks of lead in it; the men have driven within the last fortnight of fins. In the south adit, driving east, the ground is more favourable for driving than it was on setting-day.

TAMAR SILVER-LEAD.—The engine-shaft is sunk 9 fms. 3 ft. below the 145 fm. level; the ground is still favourable for sinking. In the 145 fm. level the lode is 15 in. wide, composed of capel, mundic, and ore, coarse in quality. In the 135 fm. level the lode is 2½ ft. wide, 18 in. of which is good saving work; in the winze, sinking in the bottom of the 185 fm. level, north of the shaft, the lode is 18 in. wide, 1 ft. of which is work of a promising character. In the 125 fm. level the lode is 2 ft. wide, good saving work. In the 115 fm. level the lode is 1 ft. wide, chiefly composed of can and ore, but not rich. We have holed the two winzes (one at the 105, the other at the 125), which have given great satisfaction. At the north mine, the lode in the 60 end is split in two branches, at present poor.—JAMES SPRASUE: June 22.

TAVY CONSOLS.—At Hocklake, we have driven the shallow adit, on the copper lode, about 35 fms., at which point wecut a lead lede, about 1½ ft. wide; the lead lode is composed of prian, white spar, and mundic, with a branch of

lead in it, about 2 in. wide; this lode has heve the copper lode about 6 ft., where it appears to be gone off in its regular westerly course, for about 18 in. wide; it is composed of yellow copper ore and mundic, good saving work; the west of the cross-course appears to be much wetter than the cast. We are getting on with the cutting down of the whim-shaft very well. At Little Duke, the tributers are rising some good lead and copper ore.—B. COOKE: June 25.

TINCROFT.—Since my last report, our sumpmen in the north mine have been employed securing a bad piece of ground in the whim shaft—to that but little has been done in the bottom of the shaft since that time; they will, however, resume sinking in a day or two. The lode in the 90 east has improved since my last; it will now produce about 1 ton of ore per fm., worth 91 per ton.

The winze, below the 80, to come down on this end, will produce 1½ ton of ore per fm., worth 71 per ton. The lode in the 90 west is 5ft. wide, orey throughout, with a great deal of mundic, very kindly for copper; below some branches, containing copper ore, have recently passed through the engine-shaft, underlaying south, which will fall in with, and I have no doubt improve, the lode. The lode in the 30 east is 3ft. wide, producing some ore, but not rich; the west end, same level, is at present unproductive. The lode in the 70 east is 4ft. wide, yielding tinstuff; the same level west is producing some copper ore, and very kindly. At the 50 east, we are driving north through the lode, which is producing some tin, and kindly; at the 50 west, he are driving a cross-cut south, to cut the south lode, which, in a pitch in the bottom of the 40 fm. level, is producing good work for copper ore. At Palmer's, the lode in the 70 west is 2½ ft. wide—will produce 2 tons of ore per fim., worth 5L per ton; the lode in the winze, still further west than this end, sinking below the 60 fm. level, is 6 ft. wide, working by six men at 6s. tribute, and I believe the men are making fair wages; the 60 west is at

PAUL: June 22.

TEELEIGH CONSOLS.—In the 100, east of Christoe, the lode is 2 ft. wide with a branch of ore on the south part, worth 4l. per fm.; the 100, west of ditto, is driving in the cross-course. In the 90, east of ditto, the lode is 2½ ft. wide, worth 18l. per fm.; we have 17 fms. more to the boundary; in the 90, west of ditto, the lode is 16, wide, but little ore; in the 90, east of Garden's, the lode is 3½ ft. wide, worth 20l. per fm. In the 80, west of ditto, the lode is 3 ft. wide, worth 20l. per fm. In the 80, west of Good Fortune, the lode is 2 ft. wide, no mineral. In the 70, west of ditto, the lode is 3½ ft. wide, worth 20l. per fm. In the 80, west of Symons's, the lode is 18 in. wide, with stones of ore. In the 50 cross-cut north the ground is much as usual; in the winze, below the 50 west, the lode is 2½ ft. wide, worth 8l. per fm.; in the 50, west of Symons's, the lode is 2½ ft. wide, worth 7l. per fm. In the adit, west of ditto, the lode is 2½ ft. wide, producing good stones of ore. West shaft is below the shallow adit; the water in sinking is but little, and hope to be able to continue to sink.—William Symons's. June 20.

UNITED HILLS.—In the 90 fm. level, eastern end, the lode is ½ ft. wide,

time to sink.—William Symons: June 20.

UNITED HILLS.—In the 90 fm. level, eastern end, the lode is 3½ ft. wide, 2 ft. good ore; in the western end the lode is 3 ft. wide, 2 ft. good ore; these ends are very wet and troublesome for driving. In the 80 fm. level, in the eastern end, the lode is 4½ ft. wide, producing ore throughout, of low quality; in the rise the ground continues hard. In the 70 fm. level, eastern end, the lode is 2 ft. wide, producing stones of ore, but not rich. West of James's the lode is 2 ft. wide, unproductive. We are getting on with sinking the diagonal shaft as well as we can expect. In the 60 fm. level the lode in the rise, in the back of this level, east of eastern shaft, is 2½ ft. wide, l8 in. ore of fair quality. West of Harper's winze the lode is 3 ft. wide, orey throughout, of low quality. In the end of the 50 fm. level he ground has a little improved for driving during the past week. At Wheal Charles, in the 50 fm. level, east of Gibson's, the lode is 2 ft. wide, with stones of ore. In the 40 fm. level, ditto, the lode is 18 in. wide, producing ore throughout, of average quality.—It. Travenzer; R. Williams: June 28.

WEST WHEAL JEWEL.—In the 115 fm. level east, on Wheal Jewel-lode, be belowed.

T. TREVENEN; R. WILLIAMS: June 23.

WEST WHEAL JEWEL.—In the 115 fm. level east, on Wheal Jewellode, the lode is 8 in. wide, unproductive. In the 100 fm. level west, on ditto, the lode is 9 in. wide, containing stones of copper. In the 85 fm. level west, on ditto, the lode is 2 ft. wide, worth 14L per fm.; in the winze, sinking below this level, east of cross-course, the lode is 1 ft. wide, worth 6L per fm. The 12 fm. level east, on Tokarne tin lode, is containing occasional stones of tin; in the 12 fm. level west, on ditto, the lode is 1 ft. wide, containing stones of tin,—S. Lean; R. Johns: June 22.

S. Lean; R. Johns: June 22.

WHEAL AGNES.—The men in the shaft have cut a large stream of water; I thought best to suspend doing any more in the shaft until the adit is brought in to take off the water, which will save expense. I have put the men to work on the lode in the end of the shaft, where there is a good course of silver-lead ore; it appears to be very good going south in the hill, which looks very kindly. We have commenced dressing to-day; and I hope, in a short time, to have several tons of silver-lead ore for the market.—B. Rouns: June 22.

WHEAL CONSORD.—The left at the cest of the sir-shaft is 24 ft wide.

veral tons of silver-lead ore for the market.—B. Robins: June 22.

WHEAL CONCORD.—The lode at the east of the air-shaft is $2\frac{1}{2}$ ft. wide, of good saving work all through, and, from all appearance, likely to continue; this lode is now working on tribute and tutwork—3s. in the 1½ for lead, and 15s. per fm. for driving. The pitch at the back of the 12 fm. level, at the air-shaft, is still looking well—the lode being 2 ft. wide, of good work—now working at 8s. 6d. in the 1½ for lead. We hope soon to see the 38 fm. and 56 fm. levels, where I anticipate we shall neet with some good bunches of ore; and, at the same time, I shall be able to extend the levels, and make more discoveries.—B. Robins: June 24. B. ROBINS: June 24.

eries.—B. Robins: June 24.

WHEAL MEXICO.—Since the last report we have sunk a winze, about 9 ft. below the adit, on the copper lode, at East Cornwall, where the lode is about 16 in. wide, composed of mundic, peach, spar, a little jack, and good stones of copper ore; but, in consequence of the deficiency of top-water, we have suspended operations on that part for the present; but, should the top-water increase, we hope to resume our working at the 5 fm. level, to drive east, where we anticipate, from the indications at present, we shall find the lode improving. We are now sinking a winze below the adit level, at Wheal Mexico, on the course of the silver lode, about 3½ fms. west of the western cross-course, which winze is now about 2½ fms. deep at present, and the lode about 14 in. wide, where we have a little saving work for silver; the lode is composed of flookan, felspar, and carbonate of iron, accompanied with a little mundic. We have also a small quantity of silver ore prepared for the market.—W. Knotr.

WHEAL TRELAWNEY.—The engine-shaft is sunk 4 fms. below the 32 fm.

a small quantity of silver ore prepared for the market.—W. Knott.

WHEAL TRELAWNEY.—The engine-shaft is sunk 4 fms. below the 32 fm-level. The lode in the 32 fm. level, south of the shaft, is 3 ft. wide, and worth 25f. per fm.; in the same level north, the lode is 4 ft. wide, and worth 28f. per fm. The lode in the 22 fm. level north is 3½ ft. wide, and worth 29f. per fm. In a winze, sinking below the 12 fm. level north, the lode is 2½ ft. wide, and worth 15f. per fm. Our stopes are not looking so well as they have hitherto. We commenced sinking a new engine-shaft this day; we have also received tenders for the supply of a 50-inch cylinder steam-engine, to be delivered in 15 weeks on the mine; thut of Mr. John Hodge, of St. Austell (1560f. being the lowest), is accepted.—F. Cl.Yno, Jun.; June 28.

WHEAL WALTER.—The London shaft is 10½ fms. deep; the ground very free, composed of black slippery killas, with beautiful veins of sugary spar—these veins producing a little yelfow ore. The ground being free, we are obliged to put in close timber; and, as the water is easy, our price is only 6f. per fathom.—J. OPIE: June 28.

FOREIGN MINES.

FOREIGN MINES.

FOREIGN MINES.

ALTEN MINES.—Mining Report from 1st to 28th May.—Raipas.—The first stope, in the 5fm. workings, has latterly been somewhat disordered; whilst the rise from the same workings has improved. The lode in this part of the mine still runs towards the north-west; and in a shert time we may expect to intersect some of the small, but rich, veins in that direction. The shallow adit workings continue to make good returns; the prospects are good throughout the whole of the mine, and no deterioration is observable in any part.

Usited Mines.—The stopes return more ore than we had expected, but the tributers at Woodfall's are less successful—and in the course of next month will, probably, he compelled to suspend their operations for a time, in consequence of the loose and dangerous nature of the ground.

Mancer's.—The lode in the south level is somewhat compressed and deteriorated: it, however, continues to yield good returns of ere; and, from its general appearance, we have every reason to conclude, that the present deterioration will prove but temporary. The stopes continue as last reported; and the ground in the bottom of the mine is equally hard, but still productive.

Ryper's.—An improvement appears gradually to be taking place in the level, where the lode is increased in size, and again contains a small quantity of ore, which now increases as we advance into the mountain. The stopes continue good, and equally promising.

Old Mine.—The stepe has, on the whole, been rather less productive; but we do not expect any very perceptible difference will be found at the end of the month. We have set the attle and halvan heaps at this mine, at the surface, on tribute, in the same manner as the stulls, &c., at Woodfall's. Some men have engaged for two months to return the whole of the ore produced for \$1\$ per barrel of \$c. wts., at \$4\$ per cent., and \$1\$ oft. extra per barrel for each per cent.

st is to be defrayed by the men, and we may expect every barrel of ore pro-ced in this manner will leave a clear profit of \$1\frac{1}{2} or \$2 per barrel, after de-

duced in this manner will leave a clear profit of \$1\frac{1}{2}\$ er \$2 per barrel, after deducting the smelting charges and transport.

Ore Dressing.—The picking commenced about 10 days ago, and the stamps and separators were put to work in the early part of this week; it has snowed every day since, and our progress is, in consequence, slow; so far, however, as we have gone, we find no cause to complain, either of the quality of the haltwars, or the produce of clean ore. As the month does not close before to-morrow, I am unable to forward the usual monthly estimate before next post. No returns will be made to the smelting-house before the middle or latter part of July, when we hope the greater part of the coal ships expected will be dispatched.—S. H. Thomas.

IMPERIAL BRAZILIAN MINES.—The following are the produce of the gold workings, from the 18th to the 22d Jan. :—7 lbs. 5 oz. 3 dwts.

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gold workings, from the 18th to the 22d Jan.:—7 lbs. 5 oz. 3 dwts.

NATIONAL BRAZILIAN MINES.—Cocaes, April 23.—Exceeding good progress has been made in sinking the winze from the Bandeira level to Oxenford's stopes below; the winze is now being sunk quite perpendicularly through the lode, and the underlie is now greater than it was 10 days ago; we are naturally crossing the floors of the lode as we go down. I took a sample from one of the floors cut through last week, and pounded it in the mortar, and it produced exceedingly well. The tramroad is laid down to Waller's stopes, with the exception of the iron, which is not quite in readiness. I hope we shall, in a few days, commence stamping the stone from the stopes.

ST. JOHN DEL REY MINE.—Morro Velho. April 18th.—Stamp heads

a rew unys, commence stamping the stone from the stopes.

ST. JOHN DEL REY MINE.—Morro Velho, April 18th.—Stamp heads working during 18 days, 66:74. The supply of ore has been ample throughout the month,—and Capt. Trewar reports, that his works are going on satisfactorily in every way. The syphon pipes are fairly under way. The supporting walls on each side of the brook are built, and four English smiths are occupied rivetting the pieces of pipe together.

walls on each side of the brook are built, and four English smiths are occupied rivetting the pieces of pipe together.

Pennant lead and Copper Mining Company.—We noticed, in the Mining Journal of the 6th inst., the great facilities which many districts in North Wales offer for mining enterprise, and among them particularly the Pennant sett, as being in the immediate locality, and surrounded by Craigwen, Foel Rhyd, Cowarch, and other highly productive mines. We are happy to observe, that every day's progress and investigation tends to strengthen the sanguine hopes entertained in the first instance by the adventurers, who are likely eventually to reap a rich harvest from their enterprise. In a recent report made by Mr. R. Kitto, jun., after a careful survey of the entire sett, which extends over 900 acres, he says:—"The deep adit level cross-cut, north and west, is driven 44 fins., the ground at present is rather hard for driving: I expect in about 5 fins. driving we shall have a change for the better, as we shall be within 5 fins. cutting the first lode—making altogether about 10 fins. (from the present end) to the first lode. To the second lode is about 25 fins.; that lode is 4ft. wide, of soft spar, prian, gossan, flookan, &c., and also soft killas about the lode, of very promising nature. I have traced these lodes across the mountain on the eastern side; there I find the lodes equally as large and kindly, much of the same character, with several small lodes or branches intersecting those lodes, and, no doubt, will very much improve them in producing large quantities of silver-lead ores, of very rich quality. I assure you the more I go over this Pennant sett, the better satisfied I am of its beneficial result. I shall not hesitate a single moment in stating to you, that this sett is large enough for at least six setts; there are three of them I would strongly recommend you to commence working immediately. There is a good road made to come up to the mine, with all kinds of material that may be wanted from time

productive, and remunerative to the proprietors.

[PROM CORRESPONDENTS.]

BACHELORS' HALL—Errata.—It was erroneously stated, in last week's Journal, that the adit was 34 ft. wide, and the lode 22 ft; it should have been—adit 3 ft. wide, and lode 22 ft. it should have been—adit 3 ft. wide, and lode 24 ft. wide.

CARN BREA MINES.—The fiftieth dividend of 2000? (or 2? per share), has been declared by the directors, payable on and after this day (Saturday).

CREMOR CONSOLS.—The side or parallel lode in this set is not yet reached at the 24 fm. level; but whether this arises from the underlie of the lode being more perpendicular than was expected—or whether the lode has been actually passed by, being wholly or partially concealed by the cross-course (as is sometimes the case), are points not yet decided; at any rate, if the lode should turn out to be rich (on which, of course, the speculation hings), the deep shaft, which is sunk below the 100, will enable the adventurers to return an immense body of copper in a comparatively short period. This lode, which they are endeavouring to cut at the 49, is as we before observed) a parallel lode; and the opinion both of miners and geologists, on this point, is, that a parallel lode, near and in the same country (i. e., the same kind of rock), will probably be found rich in that part which is opposite to the rich part of the first lode; or, in miners' phraseology, there is found "against" ore. There are, however, some few exceptions to this rule.

DRAKE WALLS has just sold 12 tons of tin, whilst some good work is beauthed.

DRAKE WALLS has just sold 12 tons of tin, whilst some good work is brought up almost every day. Altogether, this speculation is such a one as is very rarely to be met with; the lode, or rather concentration of branches, being very likely to last, and, perhaps, improve in depth.

to last, and, perhaps, improve in depth.

Kirkcudbrishire Mining Company.—A discovery (which promises to be of some importance) has been made at Cairmsnore, a lead mine belonging to this company. Cairmsnore immediately adjoins the celebrated Black Craig Mine, which has left several thousand pounds profit; the River Penluse only divides the two mines. The Kirkcudbrightshire Company have an extent of 2h miles in Cairnsmore, in the Black Craig lode, which has been cut in three places in the sett, and is productive in each. The lode in the first shaft is 4ft. wide, 1ft. of it contains jack and spar, spotted with lead; but the latter has not in creased lately, though there is reason to expect it will. In the second shaft, which is now called Crouch's shaft, we cannot say how wide the lode is, as it is inconvenient to carry the whole width in a shaft; there is 4ft. of it in the sinking, and, from its nature, lead is daily expected, as the copper is decreasing; at 20 fins. deep we shall cross-cut this lode. In the third shaft, which is now called Steward's, the lode is 3ft. wide, containing a branch of solid lead, from 2 to 6 in. wide, and appears pretty regular in its direction. At Cully Mine, the lode is from 5 to 6 ft. wide in the adit end; it contains more gossan than has been seen in it before, and some detached stones of copper.

West Wheal Maela is progressing favourably, and, from its proximity to

Mine, the lode is from 5 to 6 ft. wide in the adit end; it contains more gossan than has been seen in it before, and some detached stones of copper.

WEST WHEAL MAIL is progressing favourably, and, from its proximity to the great mine, is almost certain to return large quantities of ore; but, of course, time must be allowed for sinking the shaft, and driving the level and cross-cuts, to prove the various lodes. The shareholders may congratulate themselves in having half of their work already done for them—which circumstance alone, independent of the prospects, ought to act as a stimulus to their exertions.

WHEAL ALBERT MINE.—This mine is situated in the parish of Plympton St. Mary, in the county of Devon, a short distance to the north of the very ancient Bottle Hill Tin and Copper Mine, and about seven miles from Plymouth. The sett is a very extensive one, many lodes running parallel east and west; it is held for a term of 21 years, from G. Strode, Esq., at 1-15th dues. In resuming the works of the ancients, which are very extensive, at a depth of 11 fins., several very rich branches of pure grain tin were discovered, underlying north, and about 2 fins. south of the north lode, and, according to their inclination, are likely to intersect it. A shaft is now being sunk, in order to intersect the north lode, at a depth of 40 fins, which is now down about 20 fins. From the nature of the strata in which these lodes and branches are embedded—that is, killas—and within 200 fins, of granite, in an easterly direction, there is every probability of ultimate success, as the appearances invariably tend to assure the practical miner of this, as the natural result, if effectually prosecuted. The mine is divided into 256 shares, and a call of 30s, per share has been paid; a water-engine has been purchased, and other necessary materials, for giving the mine a proper trial, with the exception of pumps, and paid for out of the first call—about 2002 of which the calception of pumps, and paid for out of the a water-engine has been purchased, and other necessary materials, for giving the mine a proper trial, with the exception of pumps, and paid for out of the first call—about 300L of which has been spent. The management of the mine is vested in Mr. Hitchins, of Devon Great Consols Mine, who is also the great-

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Wheal. Concord Mine.—The tributers are bringing up some very respectable. Work, which they are preparing with all expedition for the market. The 16 fm. level going east is also looking well; some fine branches of lead have been passed through in this level. The other level will be cleared in a few weeks, and when this is done several fresh putches will be set. Taking every thing into account, there is a strong probability this mine will considerably improve, and that, too, before the expiration of many months.

Whingle Fortrescue.—Here the shaft is siftking with all reasonable dispatch, and, at the same time, they are driving the adit to cut the main lode. As this is situated between Wheal Maria and West Wheal Maria, it is very strange if something does not turn out in her favour before long. One advantage in behalf of this mine is this, that it can be proved by water-power.

Whiral Grace.—At the adjoining mine to the west, in making preparations for the erection of a suitable steam-engine, it is reported that several tribute pitches can be set, as soon as the water is drained from the present levels, which are only a few fathoms in depth. A large pile of work was raised from this mine, a few months ago, during the short period it was set on tribute, and from the appearance of the ore ground in the levels, it seemed as if some of the shoots were dipping east and west of Wheal Concord sett. It is, therefore, the general opinion, that the meighbouring adventurers will be instrumental in developing each others.

BOLANOS MINING COMPANY.

The annual general meeting of the shareholders in this company was held yesterday (Friday), at the offices, Duke-street, Adelphi,
Sir Robert Pruce, Bart., in the chair.

The Secretary having read the notice convening the meeting,
The Charrana said, the first business to be proceeded with, was the election of directors, who went out by rotation; and, it having been put to a show of hands, S. Skinner, Esq., and Sir R. Price, were severally re-elected; and Mr. Kerrison was elected in the room of Mr. Martineau, deceased; Mr. Terry was re-elected an auditor.

hands, S. Skinner, Esq., and Sir R. Price, were severally re-elected; and Mr. Kerrison was elected in the room of Mr. Martineau, deceased; Mr. Terry was re-elected an auditor.

The directors' report was then read, which was highly satisfactory, and which we shall give entire in our next; the old mimes of San Clemente and San Nicolas, which had returned so largely, appearing to be won out, other setts had been examined, with the view of working and making increased returns; and of those of Celestina and Cerra del Bote, the greatest hopes were entertained; and, from the general prospects of the company, it was expected they were in as promising a position as at any period since the formation of the company. For the results of the new process for extracting the silver from the cre, we refer to the report of the Real del Monte.—From the statement of accounts, it appeared that the profit for the year amounted to \$48.875; the balance in hand in England was 12,023t; and assets in Mexico, 134,910t. 4s. 7d.

Mr. Terry, as usual, occupied some time in raising objections to the accounts—the losses on some of the mines—which if avoided, would have realized a dividend—and particularly repeated his wish expressed at former meetings, that the report should be printed and circulated before the meeting.—Mr. Taxon and the Chairman severally explained on the former subjects, stating (what of course is known to all conversant with mining) that without previous expenses, there can be no ultimate profit; and that, out of a certain number of adventures, there must be some loss; that, however, on the mines mentioned, the directors rested their principal hopes, and they had every encouragement that they should not be disappointed.—Mr. H. Twiss, explained as to printing the report previous to the meeting, which (he observed) was contrary to all practice, and could not be done, as it must first be adopted by the proprietors.—The report and accounts were then adopted, and ordered to be printed and circulated among the proprietors; and a v

X REAL DEL MONTE MINING COMPANY.

REAL DEL MONTE MINING COMPANY.

The annual general meeting of the shareholders in this company was held yesterday (Friday), at the offices, Duke-street, Adelphi,

Sir Robert Price, Bart., in the chair.

Mr. Philles (the secretary) having read the notice convening the meeting, H. Twiss, Esq., and Sir R. Price, who went out of office by rotation, were severally re-elected; and Mr. Terry was re-elected an auditor.—A vacancy having been occasioned in the direction by the decease of Mr. Martineau, there were two candidates for the election—Mr. Cooper, one of the auditors, and Mr. Brown, one of the committee—appointed some years since, and which sat some 18 months, making a full and complete enquiry into the state of the company's property, expenditure, &c., and whose enquiries formed the ground for the directors sending Mr. Phillips on a special mission to the mines; both gentlemen had been shareholders for 15 or 16 years.—On a show of hands, the sense of the company was largely in favour of Mr. Brown; when, to avoid the trouble and expense of a ballot, Mr. Cooper handsomely gave way, when Mr. Brown was unanimously elected.

The directors' report was then read, which was of a most satisfactory nature, and which we shall give at length in our next. The mining prospects generally had improved, and it was calculated, from all appearances, that a profit would continue to be made throughout the current year. The principal feature, however, was the complete success of the new extraction process, as in troduced by Mr. Spangenberg; and, from all the experiments made, instead of a loss of from 20 to 30 per cent. on the silver contained in the ore by previous assay, the utmost loss did not exceed 4 per cent. It was fully expected, that even the rich smelting ores would be capable of reduction by the new process, as well as the poorer ores, which had been long collecting, and which would not pay for reduction by the old process. If this should be effected, the saving would be enormous, as the cost of the smelting was \$15 per c

79701. 2s. 2d.; insurance, interest, &c., 16381. 19s. 11d.; London management, directors, auditors, managers, secretary, and clerks, postages, rent, office charges, printing, stationery, drawing plans, &c., 1990. 10s.—tetal, 16,6271. 19s. 6d.—The total amount expended in Mexico, from the commencement, had been \$13,889.414 5\(\frac{1}{2}\); and returns, \$9,083,741 2\(\frac{3}{2}\). In reply to a question by Mr. Field, the Chairman informed the meeting of the terms under which they held the patent from Mr. Spangenberg. The payment to that gentleman is conditional; on his proving his process to be superior to the barrell amalgamation, he is to receive 6000L, to be paid between the two companies jointly, who have made an agreement with an emineut house in the copper trade, to take the English patent, for which they are to pay 1000L; and they have found it sufficiently successful to induce them to extend their works, and purchase copper ore, known to contain silver: it is not applicable to silver-lead ores.

The report and accounts were then unanimously adopted, and ordered to be printed and circulated among the proprietors; and a special vote of thanks having been passed to the chairman and directors, the meeting separated.

printed and circulated among the proprietors; and a special vote of thanks having been passed to the chairman and directors, the meeting separated.

Ting Tang Consols Mixing Company.—At a meeting of adventurers, held at the mine, on Thursday, the 18th inst., the disbursements having been examined by the adventurers present, it appeared that the tutwork and tributecost for March and April amounted to 1044/. 14s. 1d.; the merchants' bills to 902/. 12s. 7d.; and the balance of last account to 1945/. 16s. 2d.—making 3893/. 2s. 10d.—By call of 10f. per share, 2560f.; tin sold, 23f. 7s. 11d.; copper ore sold, 250f. 11s. 1d.—2833/. 19s.; from which deduct daes, 12s/. 13s. 1d.; leaves a balance against the advanturers of 1672/. 16s. 9d. The following resolutions were passed:—That the accounts, having been seen, be allowed; and that a call of 6f. per share be made, and collected forthwith.—The following report, from Capts. W. and T. Richards, H. Crougey, and T. Eilery, was read to the meeting:—"Since the meeting of the adventurers on the 21st. April last, we have opened a fair quantity of ground on the various lodes, and some of the levels have produced ore, by which we are encouraged to hope that, by further exploring, we may succeed in making the mine profitable. The following are the tutwork bargains now in operation (85 men employed):—At Wheal Squire lode, George's shaft is sunk 13 fms. under the 20 fm. level; we intend to sink 2 fms. more, and then intend driving on the course of the lode, which is about 4 ft. wide, kindly, with stenes of ore. The 20 fm. level, we discussed the end continued. The adit has also been extended on a south lode, which has a promising appearance, 18 in. wide. John's shaft is drained to the 120, and the levels, east, west, and south, cleared, and will immediately be driven. The south cross-cut is driven 40 fms., and we expect there is from 40 to 50 fms. more to intersect Wheal Squire lode, ground favourable. In the 110 fm. level, east the lode is 2 ft. wide, 1 ft. good ore. In the 90 fm.

DERWENT MINING COMPANY .- The directors of these mines have iss a statement of the affairs of the company for the past year, forming the 13th annual report. From this document, it appears, that during the four quarters ending Dec., 1845, the sales of lead amounted to 1000 tons, and averaging 20th per ton, producing consequently a return of 20,000th. The disbursements for annual report. From this document, it appears, that during the four quarters ending Dec., 1845, the sales of lead amounted to 1000 tons, and averaging 290, per ton, producing consequently a return of 20,000l. The disbursements for the same period amounted to 17,843l. 6s. 2d., being 2156l. 18s. 10d. less than the receipts, and equal to rather more than 6s. per share, on the capital of 7160 shares (8l. paid). The disbursements are made up as follows.—Wages and payments at mines, 14,58ll. 10s. 3d.; duties and mine rents, 287l. 11d.; London offices and general management, 874l. 15s. This report also furnishes another and interesting proof of the extraordinary manner in which the railway mania has interfered with, and deranged, the general principle of labour throughout the country. The mines," continues the report, "have decidedly improved, but the demand for labour, stimulated by the late high prices of iron, and the construction of so many railways, has been such that we have been deprived of half our mining force, and to preserve the remainder have been obliged to raise their wages very considerably—the effect of which is, that our produce is much less than what, from the improvement of the mines, it would have been, and the cost much greater. The increase still of 1845 over the preceding year is 150 tons at least, and the profits on the year-may be taken at 2000l. 2500l."

The Derwent Mines are situated in Northumberland, adjoining the well-known mining property of Mr. Beaumont, about 20 miles from Newcastle.

THAMES TUNNEL COMPANY.

The number of passengers who passed through the Tunnel in the week ending June 29, was 17,169; amount of money, £71 10s. 9d.

ST. JOHN DEL REY MINING COMPANY.

Gamba

East and West Cachoeira

At the close of the preceding year, the stoping ground laid open was...

Showing an increase of stoping ground laid open in the past year of

moone may or rost per state, payante on the soul order man.	0000		. *
Leaving at the credit of profit and loss	4995	0	1
In England—Cash at the bankers on the 11th June£1654 4 1 Railway debentures	, 4		
Bullion, estimated at 7511 15 0-	14165	19	1
To pay—Drafts running, from Brazil	5292	8	3
Surplus in England	E 8878	10	
Ditto the superintendent 164 14 3-	5618	0	5
Due for salaries and wages in Brazil	4042	10	1
Surplus in Brazil	£1575	10	0

MINING IN WALES-LLANCYNFELIN MINES COMPANY.

as above stated.

MINING IN WALES—LLANCYNFELIN MINES COMPANY.

The following is an extract from the report submitted to the shareholders at the first general annual meeting, held on the 19th of June inst., to which we direct the attention of our readers as evidencing the progress made in mining operations in Wales:—" Since the last meeting, a steam-engine, with all the necessary pitwork and machinery for pumping the water, and returning or dressing the ores, has been ordered, and will shortly be eracted by Mr. West; this, it is believad, will be the first steam-engine erected for mining purposes in this part of the principality. The engine-house is built 1 ft. above the cy-inder bed, and the masons are getting on very well. A good smiths shop, count-house, and timber shed, and other necessary buildings, have also been eracted, and have been for some time in use. The operations on the different lodes may be briefly stated as follows:—La the main lode adit, which has been driven 278 fms. in length, are several places which will let on tribute, and leave a fair profit to the adventurers; and, accordingly, several hands have lately been brought from Cornwall, so as to keep up the samplings, on the erection of the machinery; and it is calculated, independant of the ore at surface, enough may be raised from hence to keep the stamps at work for some time. About 65 fms. from the mouth of the adit is a cross-cut, driven northerly, and probably cut No. 7 and No. 10 lodes, as a shaft is sunk on it from the surface, which is now filled up with rubbish. This we are now rapidly clearing up, with a view of ascortaining its object, and the bearing and underlie of these lodes, which have never been seen below the surface. The 8 fm. level, on this lode, has been extended west of the whim shaft about 48 fms.; and for the greater part of that distance has proved exceedingly productive, and, for a distance of about 15 fms., very rioh. This level has been now let on tributs, and there are now eight men stoping on the back—four east

bog, where we anticipate even still more satisfactory results. An engine-shas is being sumk on this lode, to intersect if at about 60 ms. below the adit; this now down about 20 ms. The ground is still favourable for sinking—about 5 ft a week. At about 72 fms. cast from the shaft is fixed upon for the engine crusher and stamps, which is so placed as readily to command the whole of the lodes in the sett by means of flat-rods, by which means they can be proved and worked at a small expense for a very considerable period, as the water is very little in these mines, owing to the great extent of peat formation surrounding, which keeps the surface water. 55 fms. cast of the spot fixed for the engine, &c., are three middle lodes, which have only been opened on at the surface, where some very fine stones of lead ore are to be found in the old rubbish. An adit has been driven towards these lodes from the northern bog for some distance on the course of a caunter lode; called the Thirza lode, and a shaft was sunk thereon about 4 fms. This has now been continued to the middle lode, in order to ascertain their underlay, previous to sinking a perpendicular shaft to intersect them and the Thirza and north lodes at a given depth, No. 4, middle lode, has just been cut, and is very large and promising, and in the course of about 4 or 5 fms. the others will be seen.

"As regards the Thirza lode, aithough, at this shallow depth, it is about 2 ft. wide, uniformly regular, and with well defined walls, and is composed of quartz, with a softish elate, carrying atones of lead, of a very promising description, the lead from this lode contains more sliver than any other in the sett. It will form a junction with No. 4 middle lode, in about 11 fms. driving—a point of great importance, as it is probable a valuable bunch of lead will here be discovered. A lobby has also been brought up from the northern bog, on the north lode, and an old shaft cleared up, which had been sunk about 10 fms. from the surface. The lode in this shallow level is ab

tion, be found to improve in depth, the sett may justly be considered as one of the most valuable in the principality."

IMPORT AND EXPORT OF COPPER, TIN, ZINC, AND LEAD ORE.—The quantity of copper imported into the United Kingdom in the year ending 5th Jan., 1846, was 56,697 tons; also, about 50 tons of unwrought, and partly wrought, copper, plates, and coins; net amount of duty received thereon, rather over 60,0002. The quantity of British copper exported in the same period was 18,039 tons, about one-third of which was sent to France in an unwrought state. To British India the quantity sent was 4722 tons, unwrought and wrought; and to the United States, 2219 tons. Nearly one-third of the whole went from the port of London. The quantity of in imported into the United Kingdom in the year spoken of was 1278 tons; net duty received thereon, 2729. Exported in the same period, 576 tons of British, and 917 tons of foreign. Zinc and zinc ore imported in the same year, 12,902 tons. Exported, English, 1184 tons; foreign, 2688 tons. Lead ore imported, 44 tons; pig and sheet-lead, 5209 tons; white lead, 22 tons. British lead and lead ore exported, 14,538 tons; foreign ditto, 3241 tons. These returns were moved for by Mr. Pendarves, and ordered by the House of Commons to be printed on the 16th of June instant.

16th of June instant.

The LAWNEY AND MARY ANN MINES.—The disputed question as to the relative interest held by the adventurers in Trelawney in the last named set, having been referred to arbitration, we are given to understand, a meeting of the arbitrators takes place on Tuesday next—a report of whose decision we shall lay before our readers.

BRAZHAM GOLD MINES.—The Brazilian Government, being about to establish a museum of economic geology, illustrative of the gold mines in the province of Minas Geräes, have applied to our countryman, Mr. W. J. Henwood, F.R.S., chief commissioner of the Imperial Brazilian Mining Association, to assist them with the result of his long and extensive experience whilst superintending the Royal Cornwall Geological Society's collections, and to direct the arrangement of their valuable and interesting specimens. We trust the result of this gratify in compliment will not be lost to the geological world on Mr. Henwood's return to his native country.

MINERS' CLUB

MINERS' CLUB.

TO THE EDITOR OF THE WEST BRITON.

SIR,—It is satisfactory to observe, by the letter of "A Cornishman" [inserted in the Mining Journal, of the 13th of June], that this subject attracts to itself a stare of attention. While, however, we seek to keep up any such interest towards it as may exist, we must, on the other hand, be careful not to tire yourself or your readers. Brevity must be our motto. Through inadvertence, probably, has the matter been so long neglected; and, when those who have the power to promote such an institution once become penetrated with its importance, measures will surely be taken for its establishment. Shall it, indeed, ever be said, that the agricultural county of Essex, where, comparatively, no dangers or hardships exist for the labourer in his work, can form such a general club, with an income of 48,000l. a year; but that the great and intelligent capitalists of our mines can do nothing, in a far more urgent case? The various proposals for establishing baspitals, mining schools, &c., having dropped through, let the lords and adventurers now profit by the opportunity for redeeming their credit, by supporting a miners' club, for which all the main elements already exist. Let it not be true, that soching can be done for the 30,000 Cornish miners—the lowest paid, the most contentedly suffering, of labourers—and whose condition their superiors, from the Government downwards, have hitherto so much passed over. What an inexpressible advantage would it be to the miner, to have a sure and unfalling club to rely on for support in sickness and age, and to be freed from all connection with the broken reeds of clubs to which he now unavoidably has receaurse. He would, moreover, improve as a workman, and would have his character raised in feeling himself entitled to support from a club chiefly founded on the payments of himself and his fellows. Material relief, also, would be incidentally afforded to parishes, by the miners being thus provided for independently of the rates. In settin themselves to charges of a weighty nature, and of which the practical effects may be serious. But better things are to be hoped for; and I am most unwilling to suppose, that they will neglect the inviting opportunity of providing for the men the eminent benefit of a general miners' club.—J. PAYNTER: June 8.

MINE ACCIDENTS.

J. Biggs, aged 9 years, was killed by a fall of earth in an iron throad, Bilston.—J. Fellowes was killed by an explosion at

Wilehall-road, Bilston.—J. Fellowes was killed by an explosion at Messrs. enton and Pemberton's Colliery.

Boosreux Colliery, Bilston.—J. Chillington, aged 14 years, was killed here.

Midgley, near Doncaster.—R. Ripley was killed by an explosion of fire damp.

Tradegar.—An explosion took place at Messrs. Homfray's colliery, by which ght individuals were dreadfully burnt, four of whom have since died; two

horses were killed.

Pentryck.—T. Miles was killed in a pit here by a fall of coal.

Hately Heath, near West Bromwick.—Last week, three entire houses, with all they contained, suddenly sunk into the earth from the working of the thick coal beneath, and the roofs are 6 or 7 ft. below the surface—the occupants escaped, but have lost their all.

WHEAL ROBERTS TIN MINE.—A correspondent writes us to the effect, that several mine agents have just inspected this mine, which is situate near Ding Dong, and reported very invourably upon the prospects, recommending machinery to some extent, in order to test what they consider a "keenly spec." The tin in the main shaft is worth 10% per fin.—Penzance Gazette.

CI OYDON ATM SPHERIC RAILWAY.—We understand this line will recovered working next week. The new valve-sealing composition is said to a nature to withstand the intemperance of both heat and cold.

Current Prices of Stocks, Shares, & Metals.

NGE, Saturday morning, Peels Belgian Bonds, 4½ per Cents., Dutel. 2½ per Cents., 60½ Brazillan, 5 per Cents., 84½ Chillian, 3 per Cents., 84½ Chillian, 3 per Cents., 27½ Shanish, 5 per Cents., 27½ Shanish, 5 per Cents., 24 Ditto Deferred, 15½ Portuguése, 4 per Cents., 47½ Russian, 5 pen Cents., 109½

MINES.—In the share market very little has been doing in British mines, and very little alteration can be reported in prices. Since the arrival of the regular packet, some dispatches have reached Liverpool of a most satisfactory nature to the shareholders in St. John del Rey Mining Company; it appears, that the produce for the month of March was 2955 tons of ore, which yielded 13,480\(\) oits., or 129 lbs. of gold. The produce of the United Mines for the same period was 4'989 oits. per ton. We call attention to the promising prospects of the Bolanos and Real del Monte Mining Companies, as shown at the meetings held yesterday, reports of which will be found in another column.

RAILWAYS.—The share market has been exceedingly flat during the week, and very little business has been done—indeed, so much apathy has existed, that little or no change has taken place in prices, and there has been no feature orthy of particular remark.

that little or no change has taken place in prices, and there has been no feature worthy of particular remark.

Preamblesproved in Lords' Committees.—Edinburgh and Northern (Dumfermline division); Strathearn deviation; Great Western and Uxbridge; Norfolk (Yarmouth Extension), and Lowestoft Railway lease; Dunblane, Doone, and-Callander; Glasgow, Paisley, and Greenock (Pollock and Goovan branches); Glasgow Southern Terminal; Caledonian (Mid Lothian branches); Lesmahagow, Dalserf, and Coatbridge Mineral Junction; Grand Junction (Huyton and Warrington branch); the same (Huyton, Ashton, and othe: branches); Yorkshire and Glasgow Union.

In a "select committee on merits," the following bills were declared to have passed, and ordered to be reported:—The Midland (Nottingham and Mansfield branch); London and Birmingham (Camden and Eustons stations enlargement); Midland (Clay Cross to Newark); Wilsontown Morningside, and Coltness (Bathgate branch); ditto (Caledonian branche); Glitto (improvement and branches); Slamannan (Bathgate and Jawcraig branches).

Standing Orders complied with in Lords.—St. Helen's Canal and Railway; Birmingham, Lichfield, and Manchester; Wakefield, Pontefract, and Goole (Methley, Askern, and Oakenshaw branches); Gloucester and Dean Forest Railway; Wishaw and Coltness (Greenhill branch); Fleetwood, Preston, and West Riding Junction; Huddersfield and Manchester Railway and Canal; Huddersfield Diversion and Cooper Bridge branch; Sheffield, Ashton-under-Lyne, & Manchester (Unkinfield, Worsborough, & other branches); Dublin, Belfast, and Coleraine Junction; Eastern Counties (Manchester and Lincoln Extension.

Bills Rejectedby Lords' Committees.—Swinton and Lincoln; Doncaster, Wake-

ton-under-Lyne, & Manchester (Dukinfield, Worsborough, & other branches); Dublin, Belfast, and Coleraine Junction; Eastern Counties (Manchester and Lincoln Extension.

Bills Rejectedly Lords' Committees.—Swinton and Lincoln; Doncaster, Wakefield, and Leeds; Buckinghamshire (Tring to Banbury).

Bills Passed Committees of the Commons.— Exeter, Yeovil, and Dorchester: Board of Trade to determine at whose expense the double gauge should be laid down and maintained; London and Richmond (Kew branch); Bristol and Birmingham (Gloucester and Stonehouse junction); South Devon (excepting branch from Plymouth to Tavistock); Great Grimsby and Sheffield; Liverpool and Bury, and Manchester and Leeds amalgamation; Manchester and Bolton, and Bury Canal and Railway, and Manchester and Leeds Railway amalgamation; North Kent (South-Eastern line); London, Salisbury, and Yeovil; Lancaster and Carlisle (extension to the Caledonian); Caledonian (Carlisle division); Cockermouth and Workington; Bristol and Gloucester, and Birmingham and Gloucester; Blackburn, Preston, and East Lancashire Junction; Caledonian (purchase of Gamkirk, Edinburgh and Glasgow); and Clydesdale Junction; Pollack and Gavan amalgamation; London and Birmingham and Canal arrangement; Manchester, Huddersfield, and Oldham.

Precumbles in Commons.—Oltham, Manchester, and Birkenhead, proved; Oldham district line, not proved; Caledonian (Cydesdale Junction, deviations) proved; Blackburn, Chorley, and Liverpool, not proved; Lilnvi Valley and South Wales Junction, proved.

Bills Rejected in Commons' Committees.—Dover and Deal; London, Hounslow, and Western; London and Windsor; Leeds, Wakefield, and Midland (Wakefield, Pontefract, and Goole Junction); Huddersfield and Sheffield line (Darfield branch).

Bills read a third time.—Glasgow, Dumfries, and Carlisle; the Cornwall Rail-

low, and Western; London and Windsor; Lects, wakeneid, and Midand (Wakefield, Pontefract, and Goole Junction); Huddersfield and Sheffield line (Darfield branch).

Bills read a third time.—Glasgow, Dumfries, and Carlisle; the Cornwall Railway Bill; Edinburgh and Bathgate Railway; Ipswich and Bury St. Edmund's (Norwich Extension); Belfast and County Down; Leicester and Bedford; Wakefield, Pontefract, aud Goole.

The deposits in the Court of Chancery have been ordered to be returned in the following cases:—Cambridge and Leicester; Lincoln, York, and North Midland, and South Midland; Chester and Manchester; Maidstone and Stroud; Canterbury and Dover; Reigate and Dorking; Clitheroe Junction.

Sessional Order Meetings.—Cockermouth and Wokington: agreed to unanimously.—Newport, Aberyavenny, and Hereford: agreed to proceed by a majority of 6270 to 805.—Monmouthshire (branches): agreed to unanimously.—Airdrie and Bathgate Junction: unanimously agreed to.—Midland and Eastern Counties: majority to proceed.—Direct Birmingham, Oxford, Reading, and Brighton: resolution passed, authorising solicitor to proceed against committee for deposits.—St. Lawrence and Atlantic Railway: to consider a communication from the directors in Canada; the wishes of the English shareholders to wind up having been conveyed to Canada, the directors there replied that they could not consent to such a step, as they wished to proceed, and recommended that a deputation from England should proceed to Montreal, to attend a meeting in July. The meeting broke up, without coming to any formal resolution.

A special meeting of the Eastern Counties Company was held on Thursday

A special meeting of the Eastern Counties Company was held on Thursday last, to consider two bills—one for the Wisbeach, St. Ives, and Cambridge Junction; the other for two branch lines to the Thames. Mr. Hudson took the opportunity to disclaim all unfair attempts to prevent the London and York Company from obtaining their bill.—A meeting of the British and Irish Union Company was held at Glasgow, when it was resolved to pay 2L per share—to appoint a committee to investigate the accounts—and to keep back 1s. or 1s. 6d. per share, to enable the scheme to be revived if necessary.

per share, to enable the scheme to be revived if necessary.

Messis. Lamond's Sales.—Tuesday.—Glasgow, Dumfries, and Carlisle (2l. 10s. pd.), 1l. 15s. 6d.; Buckinghamshire (2l. 2s.), 1l. 15s. 6d.; Goole and Doncaster (2l. 2s.), 1l. 8s. 6d.; Goole and Doncaster (2l. 2s.), 1l. 8s. 6d.; Oroth Kent (2l. 10s.), 1l. 7s. 6d.; Scotish Central (10l.), 1sl. 7s. 6d.; Direct London and Portsmouth Atmospheric (3l. 15s.), 4l. 4s. 6d.; Shrewsbury and Birminghamu (2l. 10s.), 2l. 10s. 6d.; Lowestoft (10l.), 5l.; Blackwall Extension (5l.), 3l.; Leeds and Thirsk (10l.), 4l. 10s.; Direct Northern (2l. 10s.), 1l. 12s. 6d.; Manclester, Sheffield, and Midland Junction (5l.), 2l.

Friday.—Reading and Reigate (2l. 2s.), 1l. 6d.; East Indian (5s.), 10s.; Guildford, Farcham, and Portsmouth—quarters (1l. 5s.), 1l. 2s. 6d.; North Staffordshire, Churnet, and Potterice (2l. 2s.), 2l. 8s.; Dunstable, London, and Birmingham (3l. 5s.), 4l. 7s. 5orth, Worcester, and Wolverhampton (12l. 10s.), 8l.; Churnet and Blythe (2l.), 1l. 3s. 6d.; North Kent (2l. 10s.), 1l. 6s.; Madrid and Valentia (2l.), 1l. 2s.; Warwickshire and London (2l. 2s.), 1l. 7s. East Indian (5s.), 10s. 6d.; London, Hounslow, and Western (2l.), 1l. 3s. 6d.; During the mathematical (2l.), 1l. 2s.; During the next was considerable for the mathematical (2l.), 1l. 2s.; During the next was considerable for the number of the staff of the staff of the first of the staff of th

(34.), 138. 50.

HULL, THURDAY.—During the past week considerable flatness has pervaded the share market, although no material alteration in price has taken place until this day, when the very precarious situation of Sir R. Peel's Ministry, combined with the general want of speculative entarprise, have had a very serious effect upon the prices of shares. North Staffords were heavy at \$4 pm.; West Ridings, \$4/c. per share; a large business was done in North British Carlisles, but prices were a shade lower; for all other stocks, sales could only be effected by submitting to a sacrifice.

COAL MARKET, LONDON.

COAL MARKET, LONDON.

PRICE OF COALS PER TON AT THE CLOSE OF THE MARKET.

MONDAY.—Chester Main 13—Davison's West Hartley 14 6—Dean's Primrose 13—
Hastings' Hartley 14 3—Ord's Redisengh 12 6—Ravensworth's West Hartley 14—Tanfield
Moor 14 9—West Wylam 13 9—Wylam 13 6—Wall's End Gibson 12 9—Hebburn 13—Hilda 13 3—Killingworth 13—Wharneliffe 13—Eden Main 13 6—Braddyll's Hetton 14 3 to 14 6—Haswell 15—Hetton 14 9—Lambton 14 3—Russell's Hetton
14—Shotton 14—Stewart's 14 9—Kelloe 14 3—Plummer 14 6—Adelaide 14—Seymour
Tees 13 6—South Durham 13—Cowpen Hartley 14 3—Ships 163.

WEDNESDAY.—Adals' Main 13—Baddle's West Hartley 14 6—Carr's Hartley 14 6

Chester Main 13—Dean's Primrose 12 9—Hastings' Hartley 14 6—Original Tamfield 12
Ravensworth's West Hartley 14—Tanfield Moor 15—Wost Hartley 14 6—Derwentwater
Hartley 14—Langennech 22 6—Sidney's Hartley 14 6—West Wylam
13 9—Wylam 13 6—Eden Main 13 3 to 13 6—Cowpen Hartley 14 6—Derwentwater
Hartley 14—Langennech 22 6—Sidney's Hartley 14 6—West Hartley Netherton 14 6—Wall's End Hebburn 13—Hilda 13—Killingworth 13—Walker 13—East Hetton 13 3—
Hetton 14 9—Lambton 14 3—Stewart's 14 9—Kelloe 14 3—Pimmer 14 6—Adelaide 14

—Brown's Deanery 13 6—Seymour Tees 13 6—Cowpen Hartley 14 6,—Ships at market,
168; sold, 55; unsold, 55.

FRIDAY.—Chester Main 13—Dean's Primrose 13—Hastings' Hartley 14 6—Holywel Main 14 6—Original Tanfield 12 6 -Tanfield Moor 15—Townley 13—West Hartley 14 6—West Wylam 13 9—Wylam 13 6—Wall's End Hilda 13 6—Hotspur 13 3—Eden Main 14—Braddyll's Hetton 14 6—Hetton 15—Lambton 14 6—Russell's Hetton 14 3—Shotton 14 Stewart's 15—Hengh Hall 13 6—Kelloe 14 3—Seymour Tees 13 6—Cowpen Hartley 14 6 Morgan's Culm 15 6—Sidney's Hartley 14 6.—Ships at market, 69; sold, 56; unsold, 13.

The Great Welsh Mining Cause.—We are assured, on the best authority, that the matters so long in dispute between the parties to the above well known suit, and on which thousands of pounds have been fruitlessly spent in law, have been satisfactorily arranged, the basis of which is, a separation of the deiputed mineral territory; each paying his own costs. This applies to the Park Dio and Tyr Gunter estates; but the Chancery suit, relating to the Lletty Brongy property between the same parties, still goes on. We regret this also has not been settled, though the members of the long robe will rejoice in it.—

Merthyr Guardian.

	RAILWAY SHARE LIST.		
	RAILWAYS. Poid	Closing pr.	Closing last nig
	Amber, Nottingham, Boston, and Erewash Junction 24	76	21
	Armagh, Coleraine, and Portrush – 251, shares	128	1274
	Birmingham and Oxford Junction - 201 shares 2 Bristol and Exeter—1001 shares	21 831	3
	Bristol and Gloucester—50l per share	10#	10
	Bristol and Exeter—100/ shares 20	-	-
	Chester and Holyhead—50 <i>i</i> shares	201	194
		18	TI
	Derby, Uttoxeter, and Stafford	-11	T
	Cork and wateriord—26/, shares 12 Cornwall—50f shares 55 Derby, Uttoxeter, and Stafford 22 Direct Northern—50f shares 24 Direct Manchester (Remington's)—20f shares 25 Difto Rastrick's 50 Dublin Rastrick's 50 Dublin and Belfast Junction—50f shares 50 Dublin Reference (Converse 50f chares 50 Dublin	32	14
	Dublin and Belfast Junction—50/ shares	-	34
	Dublin and Galway—50/ shares	2# 5 dis.	24
	Eastern Counties 25l shares 14l 16s East Lincolnshire 1½ Edinburgh and Glasgow 50	24	234
1	Edinburgh and Perth 3	14*	-
l	Goole and Doncaster—20/ shares	24 4 dis.	14
1	Grand Junction—100/ shares100	-	1000 C
1	Grand Union (Nottingham and Lynn) 12 Great Grimsby and Sheffield—50/, shares 5 Great Southern and Western (Ireland)—50/, shares 15 Great North of England—100/ shares 100 Great Western—100/ shares 80 Guildford, Farnham, and Portsmouth—50/, shares 5 Hull and Selby—50/ shares 50 Jale of Axholme 24 Lancester and (Selby, 50/ shares) 24	224	22
١	Great North of England—100/ shares	2201 142	223
١	Guildford, Farnham, and Portsmouth—501. shares 5 Hull and Selby—501 shares 50	103	1034
l		= -	55
I	Leeds and Carlisle	dis.	T
ı	Leicester and Redford -907 shares	i pm.	dis.
l	Leicester and Tamworth—207 shares 42 s Liverpool and Leeds Direct—507 shares 2 s Liverpool, Manchester, and Newcastle Junction 1 s	-	14
l	London and Birminghamstock. London and Birmingham Extension—257 shares	-	224
ı	London and Blackwall	8	65
l	Liverpool, Manchester, and Newcastle Junction 1 1 1 1 1 1 1 1 1	22± 9±	224
ı	Donaton and I ork -out shares	781	77
	London, Warwick, and Kidderminster—50/ shares 21 London, Salisbury, and Yeovil—50/ shares 22	16	16
١	London, Walwies, and Ridderminiset—20 states 22 London, Salisbury, and Yeovil—50/s shares. 22 Londonderry and Coleraine—50/shares. 24 Londonderry and Ennisklien—50/shares. 5 Lynn and Ely—25/, shares. 5 Lynn and Ely—25/, shares. 5	41	41
	Lynn and Ely—26 <i>l</i> , shares. 5 Lynn and Dereham—26 <i>l</i> shares 5 Manchester and Leeds—100 <i>l</i> shares. 82	121	100730
	Manchester and Birmingham—40/ shares	123 82	116
	Manchester and Southampton 2 Midland	‡ pm.	# pm.
	All	1234	150
	Newcastle and Berwick—26f shares. 10 Newcastle and Carlisle—100f shares 100 Newcastle and Darlington Junction—25f shares 25	25	241
	Newcastle and Darlington Junction—25l shares	451	45
	Newport and Abergavenny 21 Newry and Enniskillen – 50% shares 22	I	DE TOS
-	NewCaste and Darington Junction 20t snares 25	29	294
-	Total and Limitell Out shares with the state of the state	75	1 100
	North Kent and Direct Dover—50/ shares	34 pm.	34 pm.
1	Norwich and Brandon—207 shares	= 1	THE TOTAL
1	Oxford, Worcester, and Wolverhampton	61	74
1	Perth and Inverness 2½ Portsmouth Direct—50I shares 3½ Preston and Wyre—50I shares 50 Richmond—20I shares 5 Rugby and Huntingdon—20I shares 2 scottish Central—25I shares 10 stottish Midland—26I shares 10 sherewsbury and Birmingham 2½ south Devon—50I shares 25 south Devon—50I shares 25 south Midland—90I shares 428 south Midland—90I shares 428 south Midland—90I shares 5 taines and Richmond—20I shares 5 taines and Richmond—20I shares 5 Tent Valley—20I shares 5	34	44
1	Richmond—20/ shares	=	17
20.00	Scottish Central—25/ shares	-	-
20.00	Sheffield and Manchester—100/ shares	24	24
47.00	outh Devon—50/ shares	-	into Total
F 70 74	outh Midland—20/ shares	39‡ ‡ dis.	89% dis.
370.7	rent Valley—20/ shares 5	1	12
7	rent valley and Holyhead Junction—201 shares 22	= 1	128 101
1	Votowford and Filkenny 907 shapes	3	e Production
1	Velsh Midland	2	st24 despti-
7	ork and Carlisle	99	1 15
	Ditto Serby—500 shares	17 190	74
I	FOREIGN RAILWAYS. Soulogne and Amiens—20/ shares	-	124
E	ordeaux and Toulouse and Cette (Mackenzie)—20l shares 2 lordeaux, Toulouse, and Cette (Espaicte)—20l. shares 2 lentral of Spain—20l shares	1	13 AL
ı	outch Rhenish -201 shares	7	7
G	ast Indian reat Northern of France (constituted) 5 reat Western Bengal 4 reat Western Canada—22½I. shares 34		13
		=	4 =
J	amaica North Midland	18	14
Ĺ	amaica North Midland 1 ouvaine and Jemappe—20/ shares 4 yons and Avignon—20/ shares 2 usembourg 4 amur and Liege—20/ shares 4	2	12
N	amur and Liege—20/ shares	38	3
OP	rleans and Bordeaux—20/ shares	9‡	98
P	ricans and Vierzon—20/ shares 10 ricans and Bordeaux—20/ shares 6 aris and St. Quentin—20/ per share 2 aris and Orleans—20/ shares 20 aris and Guen—20/ shares 20 ouen and Hayre—20/ shares 18 multiple and Mayre—20/ shares 18 multiple and Mayre—60/ shares 6	47# 39#	384
		28	284
W	rasburg and Båsle—14/ shares	4	34
	* Prices obtained from country brokers—no business doing in th	e London m	arket.

RAILWA	Y TR	AFFIC R	ETUI	INS.	10
Name of Railway.	Lgth. Rway.	Present ac- tual cost.	Last Div.	Traffic Retu 1846	1848
Arbroath and Forfar	15	£140,782	3 p.c.	£ 208 0 0	£ 180
Chester and Birkenhead	15	589,632	24	745 2 10	670
Dublin and Drogheda	32	631,258	4	876 2 119	997
Dublin and Kingstown	6	349,736	9	1200 4 10	147
Dundee and Arbroath	17	153,598	6	312 10 2	299
Durham and Sunderland	19	302,118	2	465 0 10	400
E. Counties & North. & East	1244	4,090,328	5	9026 1 10	5489
Edinburgh and Glasgow	46	1,686,226	6	3194 15 3	2709
Glasgow, Paisley, and Avr	51	1,104,773	6	2103 17 9	1909
Glasgow, Paisley, & Greenock	23	806,134	2	1150 5 8	1101
Grand Junction Company *	1119	2,597,317	10		10560
Gravesend and Rochester	7	85,000	-	308 17 7	269
Great North of England	45	1,296,196	6		2196
Great Western	240	8,179,980	8	20803 8 2	1974
Hartlepool			_		-
London and Birmingham	176	7,417,217	10	40122 11 5	22144
London and Blackwall	4	1,078,851	14	1480 4 6	1423
London and Brighton	69	2,653,673	7	6237 17 7	5000
London and Croydon	10	842,592	34	1751 14 9	1614
London and South-Western	93	2,620,724	104	8466 3 24	971
Manchester and Birmingham	85	2,197,585	6	4138 9 3	4127
Manchester & Leeds	61	3,972,869	8	6057 18 3	6450
Manchester, Bolton, & Bury	10	842,725	61	1067 7 14	923
Midland Company	169	6,636,105	6	17457 19 1	1250
Newcastle and Carlisle	65	1,137,385	5	1978 18 0	1598
Newcastle and Darlington	224	1,272,031	9	2913 14 0	1580
Newcastle and North Shields	7	316,869	5	529 5 1	485
Norfolk	59	573,818	5	1644 13 0	-
North Union, Bolton &c.\$	32	1,060,551	62		1605
Preston and Wyre	22	432,014	2	950 18 3	636
Sheffield and Manchester	41	1,313,225	24	1886 9 7	811
South-Eastern and Dovert	108	4,284,924	31	8594 18 5	7132
Taff Vale	30	648,348	5	1206 7 10	1132
Mater	25	358,353	31	543 19 2	546
armouth and Norwich	204	250,037	5		-
York and North Midlend	53	1,632,859	10	6068 2 9	2849
Paris and Orleans	82	2,082,916	8	7212 14 11	6025

PRICES OF MI	Control of the Contro	E.
BRITISH MUNES.	BRITISH MINES—continued.	E.
Shares, Company, Paid, Price	Shares. Company. Paid Price	d
235 Andrew and Nangiles 25 30	256 South Wh. Hope 5 1034 South Wh. Maria 2 256 South Wheal Rose 2 3	P
1024 Alfred Consols 31 30 235 Andrew and Nangles 251 30 1000 Barristewn 42 271 4000 Bedford 22 31	10000 Southern&Western, Irish I 2	a
128 Besore Lead Mine 371 320 Birch Tor Tin Mine 101 12 8000 Blaenavon 50 40	256 St. Austell Consols 6 20 94 St. Ives Consols — 600	4
8000 Blaenavon 50 40	200 St. Austell Collisions 4 20 94 St. Ives Consols — 6600 1000 Stray Park 43 22 9600 Tamar Consols 3 5 5 6000 Tineroft 7 10 256 Ting Tang 67 25 128 Tokenbury 124 33	14 8
100 Botallack	6000 Tincroft 7 10	p
120 Brewer	128 Tokenbury124 33	p
- Ditto ditto, scrip 10 19 128 Budnick Consols 30	1024 Trelawney Consols 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b
100 Bwlch Cwinerfin 20 200 1000 Callington 19 25	256 Trenow Consols 170 96 Tresavean 10 250	
	120 Trethellan 5 . 40	p
256 Caradon Copper Mine 94. 8 256 Caradon Mines 15 . 40	120 Treviskey and Barrier 61 · 120 256 Trewallack · · · · · · 29	A
256 Caradon United 2416-25	128 Trewellard 12 252 4000 United Hills 5 . 34	si
200 Caradon Consons. 49	256 Trewallack — 29 128 Trewellard 12 25½ 4000 United Hills 5 3 100 United Mines 300 800 128 West Basset 10 15	n
		a
1900 Combmartin 54 44	128 West Cargoll 2 15 512 West Fowey Consols 40 35 — West Kekewich Consols — 35	a
128 Comfort	— West Kekewich Consols — 34 256 Wheal Kekewich 4 8	d
2560 Cook's Kitchen 6	256 West Providence 12	b sl
1000 Copper Bottom 1 5	200 West Seton 521 120 West Trethellan 5 32	0
1024 Coradock Moor		di
128 Creeg Braws120 80	256 West Wh. Friendship. 3 . 10 3845 West Wheal Jewel . 11 . 22 2560 West Wh. Maria . 2 . 3 2560 West Wh. Mitchell 2	V
1024 Devon & Courtney Con. 3 3	2560 West Wh. Mitchell 2	
1000 Dhurode 2 5	256 West Wheal Shepherd 10	
10000 Durham County Coal. 45 . 9	256 West Wheal Treasury 12 5	R
128 East Pool 5 40 9000 East Tamar Consols 11 3	6000 Wicklow Copper 5 161	in
128 East Pool	240 Wesklow Copper 5 164 256 Wheal Albert 10 8 128 Wheal Acland 13 10 256 Wheal Allen 4	80
256 East Wheal Kitty ‡ ‡ 128 East Wheal Rose 501300		
	128 Wheal Ann 50	a
512 Fowey Consols	128 Wheal Ann	u
10000 Gen.Mining Co.for Irel.	256 Wheal Bian Consols 3	86
1000 Gedolphin	256 Wheal Cleveland 24 24	
2444Grambler & St. Aubyn 30	256 Wheal Cleveland 2½ 2½ 136 Wheal Clifford 200 200 1024 Wheal Concord 3½ 4½ 256 Wheal Fortescue 4½ 14 14 14 14 14 14 14	G
100 Great Consols 1000 400	384 Wheat Franco 22 30	CI
2560 Great Mitchel Consols — 2	256 Wheal Gill 171. 31 1000 Wheal Harriet 1 —	p
2560 Great Mitchel Consols	128 Wheal Henry 5 109 Wheal Hope (Zennor) 23 25	1
1000 Gunnis Lake 1 3. 128 Hallenbeagle 50	256 Wheal Hope 7 14	1
1000 Hanson	265 Wheal Kendall 114 5	
1000 HarrowbarrowOld Mine 3½ 4 1000 Harrowbarrow Consols 2 1½ 800 Hawkmoor 3 4	1024 Wheal Maria	
dood Heighston Down Con 1 2	256 Wheal Mary Ann 5 100 1024 Wheal Mary (Calstock) 22. 12	
256 Herodsfoot 19 15 10000 Hibernian 12\draw 1	256 Wheal Mary Consols 15 15	is
1000 Holmbush 14 14 256 Ivy Tor 12 24	256 Wheal Mexico 5 5 256 Wheal Mary Lanivet. 21 20	T
1200 Kirkcudbrightshire 1	256 Wheal Norris 9 91	
128 Lanarth & Penstruthal — 150	128 Wheal Pollard 113 12	1
128 Lanarth & Penstruthal — 150 2048 Lanivet Consols	128 Wheal Providence 34 40	
160 Levant	128 Wheal Reeth 1 60	=
1280 Llancynfelin 5 15	128 Wheal Rose 40 25	1
2800 Marke Valley 10 32	512 Wheal Sarah 21 5	-
20000 Mining Co. of Ireland 7 . 12 1000 Nant-A'r-Nelle 2	99 Wheal Seton150 900 256 Wheal Sisters 25‡ 35	U
200 Nanterrow Consols 10 16	128 Wheal St. Cleer 212 30	1
198 North Fower Consols 10 95		1
100 North Pool	256 Wheal Trevennan 10 128 Wheal Venland 12½ 20 256 Wheal Victoria 2 6 127 Wheal Virgin — 50* 1024 Wheal Waiter 3 4 4	1
256 North Treburget 21 4 100 North United 41 20	256 Wheal Victoria 2 6 127 Wheal Virgin 50*	
256 North Wh. Leisure . 15. 6 128 North Wh. Providence 25. 10	1024 Wheal Walter 3 4 256 Wheal Williams 2 20	
256 North Wheat Rose 264 25	-	
600 Old Delabole Slate Co. 23 . 2	FOREIGN MINES. 5000 Alten Mining Company 144 14	13
128 Par Consols 990 256 Penhallow Moor 15 5	15000 Asturian Mining Co 6 3 10000 Anglo-Mexican Co 100 3 3374 Ditto Subscription 25 4	
100 Penrhiw 30 65	3374 Ditto Subscription 25 4	
128 Pen-y-Cefn Mine 50 55 1280 Perran St. George Un. 13 20	2000 Bolanos	
1280 Perran St. George Un. 13 20 128 Perran Wh. Virgin 50 512 Plymouth Wh. Yeoland 14 3	10000 Brazilian Imperial 20 44 x	T.
10000 Rhymney Iron 50 25	12000 Cobre Copper Co 40 29 8500 Colombian Co. regis	Ļi
1000 Rosewall Hill 1 31	10000 Copiapo Mining Co 14 2 20000 General Mining Ass'n. 20 14	1
1024 Roscarrock 2‡ — 2500 Silver Valley 3	20000 General Milling Ass II. 20 14	7
256 Sourton Consols 31 5	5051 Mexican Company 59 5 12000 Mocaubas & Cocaes 25 8 }	1
128 South Caradon III Alli	29320 {Rl.del Monte, regis.} 28‡ av. 3‡ Ditto unregistered } 28‡ av. 3‡ Ditto Red Debentures — 19	1
128 South Caradon 10 400 2000 South Dolcoath 2	Ditto Red Debentures — 19	1
260 South St. George 91 10	Ditto Black ditto 17	
260 South St. George 94 16 200 South Harvannah 23 26 800 South Towan 10 14 256 South Trelawney 84 174	Ditto Black ditto 17 Ditto Loan Notes 156 117 7000 Royal Santiago 10 20	
260 South St. George 94 16 200 South Harvannah 23 26 800 South Towan 10 14 256 South Trelawney 84 174	Ditto Black ditto 17 Ditto Loan Notes 156 117 7000 Royal Santiago 10 20	
260 South St. George -94.10 260 South Harvannah 23 26 Sou -25 800 South Towan 10 14 256 South Trelawney 8 ½ 17½ 128 South Yeoland 16½ 20 128 South Wheal Basset 180 124 South Wh. Francis -70	Ditto Black ditto — 17 Ditto Loan Notes 156 117 7000 Royal Santiago 10 20	

be obtained—to procure which, we solicit the aid of correspondents in general.

LATEST CURRENT PRICES OF METALS.

The Convertion	£	8. £	8.	d.	£ s. £ s. d
non -Bar a. Wales ton	0	0-8	0	0	COPPER-Ordin. sheets, 7b. 0 0-0 0 10
London	0	0- 9	0	0	, bottoms . 0 0-0011
Nail rods	0	0-10	0	ò	TIN-Com. blocks g cut. 0 0-4 12
Hoop(Staf.),	11	0-11	5	0	bars 0 0- 4 13
Sheet ,, ,,		0-12	5	0	Refined 0 0- 4 15
Bars ,, ,,	10	10-11	0	0	Straitsh 4 9 4 10
Rails, average		10-10		0	Banca 0 0- 4 12
Welsh cold-blast?					TIN PLATES-Ch., IC i, box 1 10- 1 11
foundry pig 5	0	0- 5	0	0	" IX 1 16- 1 17
Scotch pig b, Clyde	3	763	10	0	Coke, IC 1 4 6 1 5
Russian, CCNDe	0	0-16	0	0	. IX 1 10 6 1 11
PSI	0	0-16	0	0	LEAD- Sheet kton 19 15-20 0
Gourieff	14	514	10	0	Pig. refined 0 0-21 0
. Archangel	0	0-13		6	, common 0 0-18 15
Swedish d,on the spot	0			0	" Spanish, in bd. 18 5-18 10
Steel, fagt.	0	0-15		0	. American 0 0-
, kegse	14	5-14		0	SPELTER-(Cake) 1 0 0-18 10
OPPER-Tile f	0	0-92		0	Zinc (Sheet) m export.* 28 0-30 0
Tough cake	0	0-93		0	QUICKSILVERS
Best selected		0-96		0	REFINED METALton 4 15- 5 0
		-	-		
a Discount 24 per cent.		o Ne	t ca	sn.	c Discount 21 per cent. d Ditto
In kegs # and #-inch.	1	Discoun	ral	er c	ent. g Ditto 21 per cent. h Net cash
	nt .	3 per ce	ent.		k Ditto 21 per cent. / Net cash
n Discount 1 per cent.	2	Disco	unt	12 b	er cent. * For home use it is 32% per ton.

{From our Correspondent.}

- [From our Correspondent.]

Inox.—In Welsh and Staffordshire nothing new to report, but our quotations are well supported. A good business has been done in Scotch this week, at about 67s. 6d. for mixed Nos. There have been also some sales of Swedish, at 11t. 5s. to 11t. 10s. It Swedish steel nothing doing.

The.—The price for English has been fixed to-day at 92s. for common block. Straits and Banea were done at 84s. and 86s., on the 20th inst.; but, on the 22d, buyers came in at 90s. and 92s., which last continue to rule.

The Plates are very firm, in consequence of the rise on tin, and an advance may be looked for.

LEAD remains at quotations as per last week's *Mining Journal*, with a dull market.

SPELTER.—The only sale reported this week is a parcel of 50 tons, ex ship, at 161.7s. 6d.

[Communicated by Messrs. Whitcomb and Barton, Old Broad-street.]

English from continues steady at quotations, but with a limited demand. Scotch pigfrom has not been so brick this week—sales reported at 67s. 6d. for No. 1, and 64s. for
No. 3.—English tin has advanced this week 22. per ton. Foreign tin is held at 93s. for
Banca, and 92s. for Straits.—In other metals no alteration.

Banca, and 92s. for Strats.—In other metals no alteration.

[From a Correspondent.]

About 50 tons of spelter were sold at 181. 7s. 6d., delivered over the ship's side, and some small parcels on the spot at 181. 10s.—English bar-iron continues firm at quotations. Welsh and Statfordshire pig-iron are little inquired for at present. Scotch pig-iron has been in good demand during the week, and several thousand tons have changed hands at 67s. 6d. for mixed Nos., delivered at Glasgow; and for No. 3, a few hundred tons were sold at 63s. to 65s.—Swedish iron and steel continue dull of sale.—English cop-jer ren.ains unaltered.—English tin has advanced 21. per ton during the week. Strats and Bance have also advanced 57. per ton—both the latter are in active demand at quotations.—English and Spanish lead continues dull of sale.

BIRMINGHAM, Fardax.—The price of ironstone here to-day is as follows: -Brown one, 12a. 6d. to 4ds. per ton; white disto, 15a. to 16a. 6d. ditto; blue flats, 18a. to 20a. ito.—Calcingdo one-third more.

JUNE 19.—We have had a fair demand this week for iron, without any alteration in ices, which we quote, 65s. for No. 3, 67s. 6d. to 68s. 6d. for mixed Nos., and 70s. to 1s. 6d. for all No. 1—free on board.

JUNE 23.—The market is quiet, but firm, this week, without alteration in the prices.

BoMBAY, MAY 9.—In metals rather more has been done, but the transactions—with is exception of British bar-iron, for which the inquiry has again revived—have been in mm measure forced. They are reported to be as follows:—200 cwts. tile copper, at 47 rs. er cwt.; 200 cwts. sheathing ditto, at 53 rs. ditto; 600 cwts. braziers' ditto, at 53 rs. titto; 200 cwts. speiter, at 12½ rs. ditto; 600 cwts. ditto, at 12½ rs. ditto—all of which ices are under those of the lat current. A sale has also taken place of 300 candes British ar-iron, at 31½ rs. per candy, which price is an improvement upon that current at the one period.

nme period.

— May 20.—In metals we have little alteration to record. The only change in the rice of copper is an improvement of about 10 rs. per cwt. in nails. British bar-iron has eclined slightly in value—Swedish remaining unchanged. In the price of square nail-du a slight advance has taken place, and we may now quote it at the same rate as round, sale of 32 tons of the latter has been effected, at 48 rs. per candy. Hoop exhibits a lightly downwaft tendency. Pkg-levd has risen somewhat, and quicksliver has receded 9 55 rs. per manne—5 rs. under our last quotation. In other articles no alteration worth of the bas occurred.

otice has occurred.

CALCUTTA, MAY 2.—Arrivals of copper have been light; but, in the absence of any emand for the upper provinces, there is but little doing in any descriptions; sheathing and tile were placed, to a limited extent, at full prices last week, but there is now less isposition to purchase, and prices are again rather easier. The imports in April were follows:—Tile and ingot, 3200 manufas; sheet and plate, 3729 ditto; bott and bar, 193; raziers', 137 ditto; old, 382 ditto.—In iron some business was done in common bar, nortly after our last, at previous rates; but, owing to dealers pressing sales, prices have fate given way; in other descriptions there has been but little done. The imports in the pril were as follows:—Bar, bolt, and rod, 6966 manufs; hoop, 1915 ditto; sheet, 2000 litto.—In spelter a moderate amount of sales has been effected, without alteration in alue. The imports in April amounted to 817 manufas.

MAPS OF THE CORNWALL MINING DISTRICTS.

MAPS OF THE CORNWALL MINING DISTRICTS.

R. SYMONS, LAND, MINE, AND RAILWAY SURVEYOR,
29, LEMON-STREET, TRURO,
In pursuance of his purpose—announced in the Maing Journal, West Briton, and Corneal Gasetic, in the spring of last year—he has been preparing for publication, by sub-cription, a SERIES OF MAPS of the CORNISH MINING DISTRICTS, and that
No. I.—containing the parish of GWENNAP, is now published.
No. I.—containing the parish of GAMBORNE; and No. III., that of SAINT JUST,
are nearly ready for delivery.—Drafts of several other districts are nearly prepared, and
trangements have been made for taking the remainder.
Each map will show all the known lodes, boundaries of setts, and all other objects
leadly included in individual plans of setts. The maps will be coloured, either as to
cits, soils, lords' rights, or estates (so calied), as may be directed by the subscribers.

Price Tis. each—coloured.

Orders received at the office of the Mining Journal, 26, Fleet-street, London; by Mr.

Orders received at the office of the Missing Journal, 26, Fleet-street, London; by Mr. ecorge Clyma, printer, Truro; and by the publisher, as above.

R. S. offers to furnish PLANS of MINE SETTS, at any required scale, on terms penliarly easy. This he is enabled to do, from the maps, at a large scale, of nearly all the thing districts, now in his pessession. Mining Sections also drawn.—Orders will be rompily executed.—Truro, June 18, 1846.

AMERHOOE WHEAL MARIA (LEAD & COPPER) MINE

MERHOUE WHEAL MARIA (LEAD & COPPER) MINE:
WHEAL GONGORD SILVER-LEAD MINE:
WHEAL MARY COPPER MINE:
ROSCARROCK SILVER-LEAD MINE:
WHEAL WALTER LEAD AND COPPER MINE:
LOSTWITHEL CONSOLS COPPER MINE:
WHEAL WEEKES:
The BUSINESS of the ABOVE MINES (now in operation on the cost-book system)
conducted at No. 4, KING-STREET, CHEAPSIDE, LONDON, where all INFORMAYON respecting them, and the value of the shares, may be obtained.
Speciments from each mine may also be inspected.
WHEAL KELLY:

WHEAL KELLY:

COSHEEN COPPER MINE (county of Cork)

A FEW SHARES in the two last-mentioned mines remain TO BE DISPOSED OF,
Dated June 20, 1846.

JAMES CROFTS, Secretary.

COPPER ORES.

Mines.	Tons.	ł	rice	2.	Mines. Tons.		Pr	ice
United Mines	129	 £3	7	0	Par Consols 120	. 4	6	(
ditto	117	 3	4	0	ditto 66	. 2	0	
ditto	112	 3	15	0	ditto 65	. €	4	(
ditto	110	 6	0	6	ditto 60	. 4	14	•
ditto	106	 6	14	6	South Caradon 94	. 7	18	
ditto	96	 3	15	6	ditto 93 · · ·	. 8	9	-
ditto	86	 4	16	6	ditto 72	. 1	5	(
ditto	81	 3	6	0	ditto 41	. 4	8	
ditto	77	 5	6	6	Treleigh Consols 101	. 2	15	
ditto	75	 4	16	6	ditto 66	. 1	1	
ditto	74	 5	5	0	Trethellan 66	. 5	15	-
ditto	47	 4	6	6	ditto ' 60	. 5	4	
Tresavean	147	 3	13	0	Wheal Sisters 106	. 4	9	
ditto	.87	 6	14	6	Penstruthal 15	. :	17	
ditto	81	 2	10	6	ditto 12	. 1	5	-
2544								

antio	81		2 10	0	anto					O.	
ditto	73		4 3	0	West Trethellan	5	22		3	15	
ditto	51		2 8	6	North Downs	. 5	20		4	18	'n
			TO	TAI	PRODUCE.						
United Mines	1110		£5010	9	6 Trethellan	116			292	15	1
Tresavean	439		1752	15	Wh. Sisters	106			543	5	-
Par Consols	311		1339	3	Penstruthal	27			121	2	,
South Caradon	300		1811	4	West Trethellan	22			83	1	-
Treleigh Conso	ls 167		980	4	6 North Downs	20			98	0	-
A verage stan	dard, 105	Z. 0a	-Averag	re pr	dince. 7.—Average price	ner	ton	47.	194	04	_

mantity of ore, 2618 tons.—Quantity of fine copper, 183 tons 2 cwts.—Amount of money 2,032%. Os. Od.—Average standard of last sale, 90% 6s. Od.—Average produce ditto, 9%. COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Tons.	
Mines Royal		
Eiglish Copper	573	3178 9 3
Vivian and Sons	334	1297 4 6
Freeman and Co		
Grenfell and Sons	25	55 12 6
Sims, Willyams, and Co	358	1226 11 0
Williams, Foster, and Co	658	3355 19 3
The state of the s	encodes.	-

Copper ores for sale on Thursday next, at Tyack's Hotel, Camborne.—Mues and Parls.—North Roskear 912—Consolidated Mines 635—Fowey Consols 365—Tincroft 389—nith Wheal Basset 200—South Roskear 185—East Wheal Crofty 171—Creeg Braws 162 Wheal Hartel 149—South Wheal Fancies 83—Tretoil 48,—Total, 3424 tons.

— Wheal Harriet 149—South Wheal Frances 83—Fretoil 48.—Total, 3249 tons.

Copper ores for saie on Thursday week, at Andrew's Hotel, Redruth.—Mines and Parcels.—Carn Brea Mines 585—Par Consols 372—United Hills 258—Levant 222—Wheal
Setom 211—Wheal Protept 201—Trenow Consols 123—West Wheal Jowel 92—West Wh.
Treasury 82—Providence Mines 42—Wheal Rodney 41—Wheal 8t. Andrew 37.—Carn
Perran 31—Wheal Tenwith 28—North Wheal Basset 22—Wheal Buller 19—Wh. Union
8—Wheal Brook 6—Relistian 5—Wheal Flenty 4.—Total, 2289 tons.

COPPER ORES

Mines.	T	ons.	Prod.	Stand.	P	rice	e.	Mines.	Tons.	1	Prod.	Sta	nd.	Price	
Cobre	.1	. 00	. 13 .	. 861 a	£8	19	0	Berehaven	126		104 .	. 94	£	7 5	0
ditto		95 .	. 121.	. 881	9	2	0	ditto							6
ditto	. !	91 .	. 124.	. 884	9	0	6	Cuba							
ditto	. 1	89 .	. 124.	. 894	9	0		ditto							
ditto	. 1	80 .	. 127.	. 874	9	.0	0	ditto	. 64		21	81	14	1 15	o
ditto		52 .	. 124.	. 884	9	1		Knockmahon							
Santiago								ditto	. 65		144	89	10	119	6
ditto	. 1	81 .	. 25 .	. 794	17	12	6	ditto	. 13		91	94	1 6	7	0
ditto								Cronebane							
								ditto							
								Laxey							
ditto		48 .	234.	. 801	16	12	0	Cuba	. 82		21	79	14	7	6
								Aberdovey							
Berehaven	.1	28 .	. 92.	. 954	7	1	0	Holden's Slag	27		24	132	1	8	ŏ
								PRODUCE.				-	1		-
Cobre			.507	€457	15 1	18	01	Cronebane			96	** 3	€ 389	13	0
Santiamo		1	440	Met 4	10 1	0	0	Tanan			00		000	.0	-

Total tons, 2016 .- Total amount, £21,315 8s. 6d.

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Sold on the 22d of June, 1846.

Price. Amount. Purchaser. 448 12 6 £ 182 6 10 .. Bolitho; Williams. 43 10 0 54 7 6 .. Daubuz. 5.—Amount of money, £236 14s. 4d.

NOTICES TO CORRESPONDENTS

The MINING JOURNAL of next we tain, besides various original or ek will be on the u tain, besides various original communications, &c., necessarily defer-tion of the series of papers on the Metallurgical Treatment of Ores Mines—Suggested Testimonial to the Inventor of Tubular Boilers School," on Tutwork and Tribute—Dr. Clanny's Safety Laup—Tran-stitution of Civil Engineers—European Railway Progress, &c.

We fully hoped to have been enabled to present, in our present Number, the c ment of a series of papers on the actual position of Mining Adventures in Con Devon—but have been disappointed in not receiving the expected commu-but which, however, will certainly appear in our next.

THE MINING JOURNAL And Atmospheric Railway Sagette.

LONDON, JUNE 27, 1846.

Together with the Corn and Customs Bills, the Royal Assent was given last night to about 60 other bills-a large proportion of which are for railways, making, with those previously in operation, an extent of railway enterprise that does not require an immediate addition to it to create the extensive demand for iron, exemplified in our last Number.-With reference to the consumption of iron abroad, for railways, the construction of lines most required in India are favourably spoken of in the accounts that continue to be received; and the desire manifested at the first general meeting of the Paris and Lyons Railway, to effect an arrangement with the Lyons and Avignon, and the Avignon and Marseilles Companies, by which passengers may be conveyed from Paris to the Mediterranean, without break in the journey, will call for the co-operation of the French Govern. ment, to accelerate these undertakings by the admission into France of British iron,-or the route to India, viâ Trieste, may be the first completed, to the prejudice of the direct line through France to the nearest port for embarkation in the Mediterranean.

We give this week, as is our usual practice at the termination of each quarter, a summary of the sales of copper ores in Cornwall, with the amount of such sales—the fine copper produced, and the smelting companies by whom the entire of such ores were purchased—also a return of the produce of the principal foreign mines. It appears, the entire sales of copper ores in Cornwall, during the quarter ending June 24, have amounted to 39,557 tons, producing 3128 tons 9 cwts. of fine copper, and money 207,5371. 2s. 6d. On reference to the quarterly return to March 31, in the MINING JOURNAL of the 4th April last, it will be found that the present is a slight increase in the quantity of ore raised, which has not, however, realised so large an amount—it being that 39,334 tons of ore which produced 207, 6971 10s. amount—it being but 39,335 tons of ore, which produced 207,697. 10s.—showing a very trifling decrease in the average price and produce, or deviation in the standard. The quantity of these ores purchased by the eight, smelting companies has been as follows, viz.:—

Mines Royal Tons 2927	£16,631	18	10	
English Copper Company 5022	29,313	1	11	
Vivian and Sons 7662	40,045	6	11	
Freeman and Co	22,799	18	9	
Grenfell and Sons 5626	28,100	14	2	
Crown Copper Company 224	1,136	10	3	
Sims, Willyams, Nevill, Druce, and Co 5040	25,803	17	5	
Williams, Foster, and Co 8277	43,705	14	3	
	-		-	
Total Tone 90 557	4007 537	0	0	

The total amount of the sales of copper ores at Swansea, during the quarter ending the 24th inst. inclusive, was 14,024 tons; amount in money, 153,437l. 9s.; and were purchased by the smelting companies, as follows-viz. :

English Copper Company Tons 21	41 £	27,936 12	2	
Vivian and Sons 31	156	28,547 17	2	
Freeman and Co 8	76	9,521 6	0	
Grenfell and Sons 17		17,808 3	2	
Sims, Williams, Nevill, Druce, and Co 16	624	20,617 18	6	
Williams, Foster, and Co 44	199	49,005 12	0	
Total Tons 14,0)24 £1	53,437 9	0	

This will be found an increase over the last quarter's sales, both This will be found an increase over the last quarter's sales, both in quantity and amount—the latter having been only 11,248 tons of ore, and producing in money, 122,3211. 11s. Of the above 14,024 tons, the principal foreign mines produced as follows:—Cobre, 4943 tons.—59,2461. 1s. 6d.; Cuba, 2155 tons—24,3511. 2s.; Chill, 1288 tons—28,5411. 10s. 6d.; Copiapo, 617 tons—11,8931. 9s.; Santiago, 844 tons—12,2761. 19s.; American, 370 tons—29121. 10s; and Australia, 2 tons—221. 4s.—together, 10,209 tons, and producing 139,2431. 16s. Notwithstanding large quantities of South Australian ores have arrived in this country, as we have before stated, no sales of consequence have yet been made at Swansea; we observe, however, that the Kapunda and Burra Burra Mines will show off for something like a beginning, at the sale of the 8th of July next. for something like a beginning, at the sale of the 8th of July next, on which day there are for ticketing, of the former ores 211, and the latter 85 tons, and which, we have no doubt, will obtain a price commensurate with their high character. We shall, in an early Number, as usual, give the total produce of the Cornish mines for the year, and some further remarks, connected with the produce of the Irish mines, will appear in our next.

The important case of Walstan v. Spottiswoode—establishing the precedent, that in joint stock undertakings, in which the provisional directors have not proceeded in a bona fide manner to carry sional directors have not proceeded in a bona fide manner to carry out the details of their proposals, but have spent the deposits in unnecessary expenses, are legally bound to return such deposits entire—has been fully confirmed in the case of Wontner v. Shairf, which came before Mr. Justice Erle, and a special jury, at the Court of Common Pleas, on Tuesday last, and a verdict for the plaintiff unhesitatingly given. In this case, the plaintiff, a solicitor, brought his action against the defendant, as a director of "the Direct London and Exeter Railway Company, with a branch to Falmouth and Penzance," and chairman of the committee of allotment, to recover the sum of 821. 10s., the amount of his deposit on 60 shares. The grounds proceeded on were—first, that he had been in a great, and material part induced to pay his money by fraud and falsehood, as his mind had been operated upon by misrepresentation, and that his money was paid without consideration; and second, that a total failure of after consideration had taken place. The advertisement, stated to be false and fraudulent, was in the usual style of those issued on the pretended allotment of shares—such as, "completed their arduous after consideration had taken place. The advertisement, stated to be false and fraudulent, was in the usual style of those issued on the pretended allotment of shares—such as, "completed their arduous duty," "obliged to give preference to applicants locally interested," "numerous persons of wealth and station obliged to be passed," "hoped will take apology," &c. &c.—when it afterwards appeared, that, out of 120,000 shares, 58,000 only had been allotted, although there were 40,000 individual applications, from parties of positive and undeniable responsibility; and it was proved, that the whole number would have been paid upon by country applicants alone, without the aid of a single London capitalist. The learned judge, in his charge, observed that he could not strain his mind to consider the 58,000 shares, out of 120,000, "a complete allotment,"—and summed up with the following questions:—1. As to the frand and falsehood of the advertisement, and to the effect that it might have on the plaintiff in inducing him to pay his money; 2. as to whether the scheme was, or was not, an abortive one, and incapable of resuscitation; 3. as to whether the deeds had not been signed by the plaintiff, under the same impression from the prospectus under which he paid his money.—The jury found at once for the plaintiff, answering all three questions in the affirmative.

These cases firmly establish the liability of provisional committee men—at least, in all cases where the necessary steps for fairly car-

rying out the scheme have been accidentally or wilfully neglected,
—or where it may be evident that the great object of the promoters
was to obtain the deposits, for the sake of gambling in the share
market without risk, and realise a harvest for themselves, regardless market without risk, and realise a harvest for themselves, regardless of whether the railway was proceeded with or not, or whether the depositors ever realised a farthing in return. Our able and respected correspondent, Mr. Thomas Mulock, in the numerous communications from him, which we have published during the past two years, continually forewarned the public, that exactly such a state of things would come to pass; and, however hard it may be upon men who have joined provisional committees with the most honest intentions, and without any idea of fraud, still, as in most cases the public have suffered from their apathy in leaving the management to a clique, whose objects would have been evident with only a little business-like energy, it is but just that those who have been duped out of like energy, it is but just that those who have been duped out of their money, should recover from parties, on the responsibility of whose names they were led to join the undertaking.

PROGRESS OF FRENCH MINING INDUSTRY.

[FROM OUR PARIS CORRESPONDENT.]

The examinations of candidates for admission to the Ecole des Mineur de St. Etienne, take place from the 3d to 15th August next. The instruction at the school is gratuitous, and comprises everything, both in theory and practice, necessary for persons intending to devote themselves to the

and practice, necessary for persons intending to devote themselves to the management and superintendence of mines.

A law suit, of great interest to the ironmasters, is at this moment pending before the Tribunal of Commerce, between Messrs. Mackenzie and Brassey, the eminent railway contractors, and the proprietors of the forges of Cruczot, l'Aveyron, de Cazeville, and d'Allais. The facts shortly stated appear to be these—When the Orleans and Bordeaux Railway was conceded, a contract was entered into between the company and Messrs. Mackenzie and Brassey for the supply of all the materiel, and the execution of all the works that had to be constructed. In virtue of this contract, Messrs. Mackenzie and Brassey entered into contracts with Martin and Co., and Boignes and Co., ironmasters, for the supply of chairs, or conscinets, and with Messrs. Schneider and Co., for the supply of rails. The supplies (it is said) were to be for the whole line; but it was understood that, in the first instance, they should be made only for the section from Orleans to Tours. The price agreed upon was—for the chairs, 320 francs the ton of 1000 kilogrammes; and for the rails, 325 francs the 1000 kilogrammes. All this was settled on the 27th January, 1845. Subsequently, the Government insisted on the annullation of the contract between Mackenzie and the company, on the ground that it left him far too great profits—360,000l., or thereabouts. On this being done, the "statutes" of the company were authorised—that is, the company itself obtained a formal legal pany were authorised—that is, the company itself obtained a formal legal existence. At this time the price of iron had risen to 340 fr., 350 fr., and even 380 fr. the ton. The ironmasters then found, that their arrangement with Mackenzie was anything but favourable to their interests, and they refused to fulfil it, except in so far as regarded the section from Orleans to Tours. In defence of this refusal, they allege that they contracted with Mackenzie as representative of the Bordeaux Company; and that, when his contract with it was terminated, their contracts with him terminated also. They likewise allege, that the agreement was only binding with respect to the first section of the railway, from Orleans to Tours. Mr. Mackenzie, on the contrary, contends that the agreement was to hold good for the whole line of railway, and that it was made with him personally, and had nothing at all to do with his arrangements with the company. He, consequently, requires that the ironmasters shall be compelled to fulfil their agreements, to supply the chairs at 320 fr., and the rails at 325 fr., a ton, instead of at the present prices. Judgment in the case has not yet been given—the judges having thought it necessary to take a fortnight to weigh the terms of the contracts.

The Government has positively refused to authorise, "for the present," the free trade association got up in imitation of the Anti-Corn Law League, with Mackenzie was anything but favourable to their interests, and they

The Government has positively refused to authorise, "for the present," the free trade association got up in imitation of the Anti-Corn Law League, with the view of sweeping away all Custom-house imposts. This fact shows how dependent it is on the monopolist party, and how little likely it is, that for a long time to come, the odious restrictions on our commerce, and especially on our iron, will be swept away. Very different hopes, it is true, were entertained a little while ago; but it unfortunately appears, that they were unfounded.

is true, were entertained a little while ago; but it unfortunately appears, that they were unfounded.

From returns relative to the Savings' Bank, it appears that, last year, 123,000 workmen of different trades were depositors, whilst there were not less than 81,000 miners. Considering that the mining population of France is not as 1 to 20 of the working classes, it appears, from these figures, that miners are the most economical and laborious of the labouring community. During the week, two or three new companies, for extending the operations of old iron establishments, or founding new ones, have been started; and one of those, that was set on foot two or three months ago, has already found it necessary to demand a very considerable increase of capital. On the Bourse the transactions in mining shares are still very numerous, with a tendency rather to increase than diminish. From Monday till Saturday last the Charbonnages Belges were done at 595 to 600 fr., the Vieille Montagne at 6100 fr., the Stobberg at 1250 fr., the Forges de l'Aveyron at 5960 fr., the Hauts Fourneaux Monceaux at 2350 fr., the Hauts Fourneaux Monceaux at 2350 fr., the Hauts Fourneaux de loss of the day, is that relative to the state of the navy. Baron Dupin, peer of France, formerly Minister of Marine, has just presented to the Legislature a remarkable report on what requires to be done for, and supplied to, the navy. After dwelling upon the supplies of timber, he contends that France can supply the iron necessary for the navy at a reasonable rate, when (when l) the railways shall be completed. He says, that three years' production in France would give 1,200,000 kill of sheet-iron; 13,400,000 kill of white-iron; that a complete assortment necessary for three years' production in France would give 1,200,000 kill of white-iron; that a complete assortment necessary for three years' production in France would give 1,200,000 kilogrammes of new cast-iron; 138,000,000 kil. in assorted bars; 88,000,200 kil. of sheet-iron; 13,400,000 kil. of white-iron; that a complete assortment necessary for three years' consumption of the royal nay would be 6,000,000 kil. of new cast-iron; 10,800,000 kil. assorted bars; 4,000,000 kil. sheet-iron; 300,000 kil. white-iron; and that the navy, to make up its complement, wants 3,544,000 kil. of new cast-iron; 2,695,000 kil. in assorted bars; 1,755,000 kil. in sheet-iron; and 103,000 kil. white-iron. In copper, M. Dupin thinks that there should always be four years' consumption on hand, and recommends that France should make as large importations as England, from Cuba, Chili, &c. At present France has no copper of her own, and imports annually only about 3,000,000 kil. Lead, tin, zinc, &c., are not, says M. Dupin, much needed in naval arsenals, and what is required can be obtained from Spain, Belgium, and Germany.

Letters from St. Dizier say, that the dry weather has caused some furnaces to cease working, and the production of cast-iron, has, consequently, decreased. Until the river shall rise, the price is expected to be maintained at 190 fr. Only one furnace, à fers battus, is in active operation at St. Dizier; it sells at 380 to 390 fr. the 1000 kilogrammes, and daily receives numerous orders. The other furnaces have stocks on hand sufficient for a fortnight, or a month. The current prices were 370 fr.

In one or two of the smaller coal pits, the miners have again struck for an increase of wages.

The Northern Railway was opened on Monday for the conveyance of paseingers. Very few trains, however, pass backwards and forwards, and the stations nearest to Paris are not served at all. Nor is the company in a condition to convey merchandise. The Paris and Sceaux Railway, for the trial of Arnour's system, was opened yesterday for traffic. The embranchment on the St. Germain Railway, for the trial of the atmospheric system, has been traversed by a locomotive. The ascent is, I believe, without exception, the very steepest that a locomotive has yet gone over.

Mixing in Ireland,—A deputation from the Southern and Western Mining Company of Ireland waited upon Lord Dalhousie, on Saturday last, who received them favourably; and after a desultery conversa ion, as to the character of the undertaking, and the peculiar facilities for working mines in the district, said that the grant of a charter, which had been solicited, was governed by very rigid rules—that an English company, if it made a similar application, would not be considered within the class of exceptions—but that lately the rules had been relaxed in favour of Ireland. He suggested that a formal petition to the Privy Council should be lodged, stating that the subject would be referred to the Irish Government for their opinion—and adding that, though he could make no promise on the matter, he would give it his most favourable consideration.

Aretval of Specie.—On Wednesday, the steam-ship Victory arrived at the

ARRIVAL OF SPECIE.—On Wednesday, the steam-ship Victory arrived at St. Katharine Steam Packet Wharf, from St. Petersburgh, with a large quant of specie on board, amounting to nearly 200,000L, packed in 12 large cases. was consigned to merchants in the City.

Original Correspondence.

ATMOSPHERIC RAILWAYS-THE BAROMETRICAL SYSTEM. We stated, in the letter published in your last Number, that the es on which the atmospheric system is based admit, if entirely interpreted, of reducing the power necessary to carry a train to the useful power, and a small additional amount of friction; therefrom immense adierpreted, of reducing the power necessary to take, a same power, and a small additional amount of friction; therefrom immense advantage over the locomotive engine, the most perfect construction of which cannot but present an enormous loss. Our intention was, to explain in this letter the apparatus in which all the theoretical advantages of the atmospheric system are made use of; but finding the general attention directed, not to the means of producing the power, but to those of avoiding its loss in its passage from the engine to the train, and jealous besides of conserving to the system valuable adherents that actually imperfect results might tend to check, and the favour that the great good sense of the public has at once bestowed upon it, we shall first give, on the construction of the propelling tube, a few observations that long experiments have brought into our minds.

propelling tube, a few observations that long experiments have brought into our minds.

The practical problem in the atmospheric railway, is to construct a tube through which the power is transmitted without loss, so as to obtain on the head of the piston a power corresponding to the exhaustion in the engine-house, and to apply this power in the whole of its value to the train. A great number of various schemes have been proposed to fulfil this object; and it is necessary to introduce some general observations, by which appreciation can be made of their real value, and some light thrown on the subject. So many opposite projects would take us very far from the real solution—might even make us doubt if there be any. There exist, in the tubes proposed, two very distinct classes: those with a continuous opening—those entirely closed. In the first instance, the piston is materially connected to the train, by a rod passing through the opening: in the second, the connection is created either by a series of mechanical pieces, disposed all the length, moved successively by the piston in its progress, and communicating to the train the power received,—or by the opposition of two pieces, or wheels, disposed on the same plan, connected one with the piston, and the other with the train, and separated by a pliable clastic substance, joined to the tube, and being a part of it. The object proposed in constructing a tube entirely closed is to avoid leakage—all these dispositions are not free from it: it may take place, for instance, around the pieces subject to wear, which communicate the power; and the schope of its increased in the head of the piston by the addition. leakage—all these dispositions are not free from it: it may take place, for instance, around the pieces subject to wear, which communicate the power; and the chance of it is increased in the head of the piston, by the addition of a space of angular form placed above the circular part of the tube, in order to receive the communicating apparatus—a cylindrical form being always much more easy to close hermetically than any other. All the air contained in this space is to be rarefled to produce exhaustion,—and still the useful pressure is only experised on the circular area; therefore a loss the useful pressure is only exercised on the circular area; therefrom a loss which, in some projects, is considerable. It is evident that, in a system with a series of cog-wheels, the friction of the axles, and of the cogs, must take a notable part of the power, that this friction increases with the power applied, and the resistance to overcome. We doubt the effect of such mechanical means at high speed; but one of the greatest objections against such a system, is its unsafety. The idea of it may be considered ingenious. —were it adapted to another purpose, we might consider it so; but here we find its ingenuity quite out of time and place. Railways must not be assimilated to those delicate machines, in which a disorder cannot have any farther result than the breaking of a thread, or some imperfection in the manufacture produced. Railways are the great channels through which the property, the lives of society, are destined to circulate: such a

which the property, the lives of society, are destined to circulate: such a precious deposit requires a more serious and secure construction; and, if accidents are an argument against locomotive engines, a system carried out by such means would, no doubt, present some of a more dreadful character.

We have no practical data by which we can judge what may be the working of a system in which the power is transmitted through an elastic material: we are inclined to think, that at high speed, any retarding of the train, together with the adherence of the elastic material to the wheels, the train, together with the adherence of the elastic material to the wheels, would, in consequence of their necessary small size, cause the inner one to escape the outer, if no means are employed to keep down the latter; and these means, if employed, would cause a considerable friction. What regularity can be expected from a system in which the power capable, as we said, of being retarded or stopped in its action, receives either indirect or no reaction from the train? What will be the amount of friction in these wheels, necessarily small, and with strong axles? What will be the loss in the power, by its transmission through a body which must be thick, elastic, and (of course) compressible?

Another obstacle inherent in the nature of a tube entirely closed, is that

Another obstacle inherent in the nature of a tube entirely closed, is that Another obstacle inherent in the nature of a tube entirely closed, is that of admitting the air behind the piston only by the end of the tube: its pressure is, therefore, lessened by all its friction in that tube. The experiments made at Dalkey induce us to estimate this loss at about one-eighth per mile of the power created by the working engine: in short, to transmit the power to the train from a piston, in a tube entirely closed, necessitates this power to pass through more or less complicated pieces of machinery, which affect its value, and the friction of which increases with the weight of the train.

Is a tube with a longitudinal opening possible?

To answer this question, we start from a fact which has all the value

with the weight of the train.

Is a tube with a longitudinal opening possible?

To answer this question, we start from a fact which has all the value given by a practical demonstration. A grease valve has acted—a single reason stopped it: it will act again when the cause of its temporary stoppage is obviated. The results of Dalkey and Croydon were, no doubt, a wonder of care and patience. But such primitive means are not adequate to the exigencies of long lines. A continuous valve requires more certainty in its effect—it requires a more natural and rational construction. It must falfil some exigencies we have layed down. [Table iii.]

If we compare the valve at Dalkey and Croydon with some other schemes, tried and proposed before and after, with that of a rope filling the opening, it has, no doubt, the advantage of having only one joint to stop—one side of the covering body being hermetically fixed, and thus only half the chance of leakage; but a valve, closed by the rapid passage of a wheel, presents too many chances of the effect of this wheel being only imperfect, or destroyed, after its passage: to act in a secure manner, it must be shut by a general and constant agent: if any cause takes it out of its place, it must return to it spontaneously; and when only small interstices will have been left between the closing surfaces, then a greasy body can be employed with advantage to fill them, and its effect will be free of any interference from the temperature.

The closing of a valve must not be affected by the atmospheric pressure created on it by the exhaustion—the only effect of this pressure must be to close it better,—It is evident that a joint can be hermetically closed with much more facility when the air on the two sides is at the same density than when there is a difference, because the closing body has them no pressure to support; but when exhaustion is produced on one side, there exists a pressure on the joint—and an atmospheric valve well closed, when no exhaustion by the increasing pressure, and th

place by the connecting rod.

Whatever be the amount of friction of the valve and piston, the most important consideration is, that this friction should not increase with the weight

The power necessary to overcome the real friction of a properly constructed piston and valve, may be estimated at about 30 to 40 lbs.: this power is of very little import, and would be an imperceptible difference in the amount created on the head of the piston; but, by all the dispositions hitherto proposed, this amount of friction increases with the weight of the train, and, therefore, it is no more a small amount to be deducted from the whole of the power—but this power to be divided in the whole of its value, by a num ber which varies according to the special disposition of every case.—Th reason of this is, that the power acting after a line, and the resistance after reason of this is, that the power acting after a line, and the resistance after another to join them, requires a transversal rod, which produces exactly the effect of a lever—pressing down on one side, and lifting up on the other. The only way of avoiding this very important inconvenience, would be to apply to the atmospheric system the same principle which is followed in all machines rationally constructed; the line on which the whole of the power is concentrated—its resultant must be the same line, in which are resumed all the elements of the resistance—the resultant of the resistance. Tubes entirely closed do not admit of this disposition; it may be brought into practice in the tube with continuous opening, by raising the tube, so as to raise its centre at the height of the centre of the wheels, cutting the axles in two separate parts, so as to allow the tube to pass beistance after

ting the axies in two separate parts, so as to allow the tube to pass between them. This disposition avoids the only chance of accident remain-

ing on the atmospheric railway—the breaking of axles; such axles can be disposed so as to present the advantages of wheels independent one from the other, without increase of friction, or liability of unsteady revolution. Other reasons—such as radiation of caloric—may exercise an influence on the point of rarefaction of the air; but this influence can, by certain dispositions, be entirely removed, especially if there is rapidity in the various operations of working.—Speed is not only a characteristic of atmospheric propulsion—it is a necessity for its advantageous working.

With proper disposition, notwithstanding the variations of temperature in the various times of the year, radiation of caloric can have no influence on the point of exhaustion.

The advantages arising from the direct application of power, and the

On the point of exhaustion.

The advantages arising from the direct application of power, and the speed in atmospheric propulsion, render its application objectionable for purposes where neither of these two conditions can be fulfilled—such as canal or river propulsion; in these cases, the resistance increases, compared to the speed, in a proportion which varies from the square to the cube: any speed higher than five miles an hour would be commercially disadvantageous.—N. A. Burnier: Dufour's-place, June 24.

ON THE CONSUMPTION OF SMOKE.

Str.—While the smoke nuisance, and the abatement of it are occupying so much public attention, it may not be out of place to explain, in your widely extended Journal, a simple plan of furnace, easy and cheap to construct, and which, for the last 16 or 17 years, I have found—however large or small the scale—to answer admirably. Many of my friends, to whom I have communicated the plan, have partially adopted it, and they find it very advantageous in practice. In the first place, it saves, in many instances, half the fuel, and produces great economy of labour to the stoker.—Secondly, it destroys the furnace very slowly indeed.—Thirdly, it consumes the greater part of the smoke; and, I am of opinion, it can be merrly, if not wholly, consumed.—The only difference between this and the usual plan of setting, is some trifling alterations in the fire-place. The fire-place of the common plan is very confined, with an immense draught; and the draught into the flue is close to the bottom of the boiler—that is, at the highest part of the fire-place: hence the heat and smoke pass rapidly ON THE CONSUMPTION OF SMOKE. highest part of the fire-place: hence the heat and smoke pass rapidly round the flue, and escape into the chimney at a high temperature, imparting but little heat to the boiler in its progress—whilst the heat and smoke issuing from the chimney are immense—all of which is, of course, a total loss. On this plan, the fire-place is as spacious as the bottom of the boiler will admit; but it does not follow, that there shall be a much greater area of five-hory than is usually employed, nor any great varieties in their of fire-bars than is usually employed, nor any great variation in their form—but the thinner and the closer, in reason, they are placed together, the better. The draught from the fire into the flues is at the bottom of the fire-place, on a level with the bars, instead of at the top, as in the old plan; this confines the heat immediately under the boiler, where it is more beneficially active—and the rapid combustion of fuel is hereby moderated into a slow and more perfect combustion, which gives the above advantages

The propriety of this position for the flue is evidently a common-sense one. I will endeavour to explain the mechanical action of it—not scientifically, I know—but, I hope, in a way to be understood. The hottest air, by this plan, is always kept in contact with the bottom of the boiler (where the water or other liquid is coldest), and imparts its heat to the water, which condenses the hot air—then it gravitates to the flue, and passes off. Hence, the cases escape into the chimney at a much lower temperature. which condenses the hot air—then it gravitates to the flue, and passes off. Hence, the gases escape into the chimney, at a much lower temperature than it would be, if the draught were taken into the flue at the top of the fire-place. So, for instance, if we wanted to obtain more power from a stream of water (which is an opposite element to fire), we should construct a weir across it: this would not alter the discharge of water down the stream, but it would obtain the force of the fall at the point at which it was required. Keeping this in mind, it is fair to argue that, since heat expands the medium wher it is created, that medium then ascends,—and it has the greatest effect in a direction opposite to that of gravity. Therefore, if we wish to apply it to any particular point, as at the bottom of the boiler, we should keep the heat back by reversing the position of the weir, and cause the gases to pass under, instead of over, the dam,—and, hence, the draught should be taken from the fire at the lowest point of the fire-bars. Increase of room in the fire-place is also a common-sense principle, and equally as easy of demonstration.—James Dredge: Bath, June 20.

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Increase of room in the fire-place is also a common-sense principle, and equally as easy of demonstration.—James Dredge: Bath, June 20.

The Electric Telegraph in America.—A few weeks since, we published some particulars respecting Prof. Morse's improvements in the electric telegraph: the following additional information, from a letter, dated Washington, June 6, is deserving the attention of all persons interested in railways in Europe:—"I may as well give you the result of some of Prof. Morse's recent experiments on the speed of imprinting the characters of his alphabet, which demonstrate the vast superiority of his telegraphic system over all others as yet tried. The better to indestand this superiority, let me say that the English telegraph shows the letter momentarily on a little revolving dial plate, which letter is lost, of course, if not observed at the time, and but 15 of these can be shown in a minute. The French telegraph also shows a sign for a letter, and can show but 12 of these in a minute, and uses two wires for this purpose, which make six for one wire—while Prof. Morse not merely showed, but imprinted (more than a year ago), 60 signs in a minute, with ease, and with one wire. Bain, of Scotland, has put in operation, for a short distance, a telegraph, and the only one in Europe which imprints. He imprints the common letter of the alphabet, by a complicated apparatus of clock trains and type wheels and inking apparatus, and all for the purpose of producing a recognisable letter. Europeans never seemed to have thought of inventing a simpler character, till Morse invented his simple alphabet. Bain professes to imprint from 20 to 25 letters in a minute—a fact which we doubt from the capacity of his instrument. Prof. Morse, by the invention of his conventional alphabet, substituting a new and easily acquired character for the ordinary letter of the alphabot, not merely dispenses with all complicated machinery, but a single key imprints, to be read at pleasure, a quantity of intelligence not within th AMERICAN LOCOMOTIVES IN ENGLAND.—The following information,

obtained from a correspondent, may be of general interest: comotives which have been imported into England from America, were 10 or 12, obtained by the Birmingham and Gloucester Railway Company in 1839 and 1840. None have since been sent here. These engines were ordered from America because the engineer (Capt. Moorsom) thought they would suit the curves and inclines on this line better than the English arwould sait the curves and inclines on this line better than the English arrangement, and the English houses were all that time full of orders, and were, therefore, not disposed to take engines to build on that plan. Some were, however, subsequently made on the same plan by English houses (Nasmyth and Co, Hick, Bolton and Co, &c.), which were very much superior in workmanship, to the American engines. The essential difference between the arrangement of the American and the English engines, consisted in the former being made with a much smaller driving wheel, by which they were able to take a much heavier lode up the inclines; but their speed was thereby so much reduced, that the company were obliged eatly to purchase two engines on the English plan, to run their mail trains, and to enable them to meet the speed required by the Post-office authorities—and, ultimately, they have adopted English engines altogether, as they have sold off several of their Americans to be used as contractors engines, and are, we believe, quite ready to part with the remainder. From this we see, on the only line upon which American engines have been used, they are all but laid aside."

on the only line upon which American engines have been used, they are all but laid aside."

A few years ago, plate glass was sold at 12a per foot. At that price the demand was 5000 ft. per week. It is now sold at 3a per ft., and the demand per week is 40,000 ft.—Liverpool Times.

PROGRESS OF THE ATMOSPHERIC RAILWAY SYSTEM

PROGRESS OF THE ATMOSPHERIC RAILWAY. SYSTEM.

Hallette's Atmospheric Railway.—The model on this system, which has now been exhibiting at the Rosemary Branch, Peckham, for about eight weeks, has been visited and approved of by a great number of scientific men and engineers of eminence: among the latter, we are glad to find that Mr. Robert Stephenson has paid it a visit, as well as Mr. Brunel and Mr. Vignoles—the latter always staunel supporters of atmospheric propulsion. From the hostile position in which the former gentleman has always placed himself, in respect to this description of traction, we are glad to find that, on his recent visit, he has, to a certain extent, relaxed in his former views, and thought atmospheric applicable to short pleasure lines, and also on lines with steep gradients; it appears he was highly pleased with the superiority of the valve, over that of Clegg and Samuda's, and all others, not to say the perfect hermetically closed tube; he also thought it less liable to get out of order; but still he had two important questions to ask of its advocates—first, what would be the cost of construction and working of a line on the atmospheric, as compared with one on the locomotive, system?—and second, whether the public could depend on its being regularly worked? He said, single lines for locomotives, notwithstanding the price of iron, could now be laid for about from 6000l. to 7000l, per mile, while the mere working cost had been greatly reduced. On the London and Birmingham line, although the aggregate expenses were 400,000l. a year, the locomotive department alone was only about 70,000l.—M. Hallette, and other gentlemen who support the atmospheric system, replied to these observations: in the absence of very minute calculation, there was little doubt on their minds that the cost would not exceed about 6000l. per mile; while, as to the working cost, it was immensely in favour of the atmospheric system,—and the more frequently the trains run, the expense became proportionably tions: in the absence of very minute calculation, there was little doubt on their minds that the cost would not exceed about 6000L per mile; while, as to the working cost, it was immensely in favour of the atmospheric system, —and the more frequently the trains run, the expense became proportionably diminished.—Mr. Stephenson also alluded to the effects of accidents to the stationary engines, which he considered would take a long time to repair, and, consequently, stop the trains running. Now, on the locomotive system, this was prepared for: on the London and Birmingham line, for instance, they had 70 engines always at hand, on different portions of the line, to act in case of accident, and those would shortly be increased to 130.—These objections were fully met: M. Hallette proved that an accident to a stationary engine could be instantly repaired. Of course, to be prepared for any accidents, two boilers (as is the case in most large establishments) would be erected to one engine—one to be in immediate readiness in case of accident, cleansing, or repairs of the other; and that duplicate parts of the different portions of the machinery are ready to refit in the shortest time possible; while Mr. S.'s statement, of 130 engines on the Birmingham line having to be kept in reserve, but shows the enormous dead-weight on the capital, obliged to be resorted to, to provide against accidents on the expensive and dangerous locomotive system. We are, however, glad to find, that this gentleman fully concurred in the vast superiority of the atmospheric system as to velocity and safety: the velocity, he considered, was unlimited, while on the locomotive principle, as far as scientific men could see, the maximum had been obtained; still, although he thought the atmospheric tube, as now improved, might be considered perfect, he did not think it commercially superior to the locomotive system—the most important consideration in a commercial country like England. Both Mr. Brunel and Mr. Vignoles have a high opinion of M. Hallette' modes of traction. Mr. Wm. Cubit, who saw the model at work at Arras, we hear, was also very favourably impressed; and was of opinion, that, if any atmospheric system was tried in France, it ought to be that of M. Halette's. Mr. Samuda, and assistants, have also been amongst the visitors at Peckham.—We are glad to observe, that the first meeting of shareholders in the new company, formed to carry out, in the most effective manner, M. Hallette's invention, is to be held, on Thursday, the 9th July next—of the proceedings at which we hope to be able to give a most interesting report.

RESILIENT ATMOSPHERIC RAILWAY—CLARKE AND VARLEY'S PATENT. The adaptation of the pressure of the atmosphere to railway propulsion, which was first brought into really practical operation by Mr. Clegg, and which is the only plan at present in full working practice, has operated upon the inventive faculties of the age, and produced numerous plans, more or less successful, for obviating the defects of the system, as adopted on the Dublin and Kingstown, and London and Croydon lines. These more or less successful, for obvinting the defects of the system, as adopted on the Dublin and Kingstown, and London and Croydon lines. These various plans we have duly noticed, as they have come before the public; and we now proceed to describe another method, patented by Messrs. Clarke and Varley, and named by them as above. These tubes, instead of being cast (as is proposed, we believe, in every previous plan) are composed of rolled iron, and may thus be described:—A sheet of well rolled or hammered iron, of (say) 6 ft. long, and of sufficient width to be about 2 in. more than necessary for a tube of the desired diameter, has about an inch turned up at right angles; it is then rolled up, and wrought until it forms a pipe—the flanges turned up forming the longitudinal lips, and which are now kept closed by the elasticity or resilience of the tube itself, and hence its name. These lips are lined with leather, which is fixed to the iron by means of Jeffries' marine glue, and form, in every respect, a perfect air-tight joint. The tubes are perfectly plain from end to end, and in laying them they butt against each other; and a strap of the same metal, about 4 in. broad, is lined with leather and marine glue, and screwed up tight to the lips with bolts and muts—thus forming a perfectly air-tight joint, and a perfectly cylindrical interior; besides these braces there are, at proper intervals, guards curved to the outside form of the tube, moving underneath on pivots, and rivetted to the lips at top—thus, while they act as a stay, they give to the slightest opening of the lips, and do not increase the friction on the passing of the piston. The coulter, connecting the train outside with the piston, is a section of a cone from the apex to the base; the apex being sharp, opens but a small portion of the tube, and thus does not require the piston packing to be far in front—while the broader hind terminas keeps a sufficient opening to allow of the free admission of air behind the piston, for its propulsion. The simplicit

or the raising heavy materials from mines.

TAYLOR'S ATMOSPHERIC RAILWAY VALVE.—This is a simple (and would no doubt, prove in practice, to some extent, an efficient) mode of adjusting the longitudinal valve, and does not depend on any scaling composition to secure perfect closeness. The tube is cast with a considerably wide longitudinal opening, and strengthened by a flange on each side; to each of these flanges is fastened a continuous leather flap, hinge-like, of a or these flanges is fastened a continuous leather hap, hinge-like, of a curved form, to complete the interior cylindrical form of the tube; this leather is covered by metal plates, or scales, which, having the leather turned over their front edges, on folding together, form an air-tight joint, with no more grease than is sufficient for Inbrication, as the piston coulter passes; the weight causes the valve leaves to fall, and, on exhaustion, the passes; the weight causes me variety seals them.

EXPANSIVE POWER OF STEAM INCREASED BY HEATED AIR.—Mr. D. Wilkinson has discovered a simple process, by which air is injected into the boiler at a temperature of from 500° to 800°, by which a vast saving is effected in the consumption of fuel, and, at the same time, the power of the engine powerfully increased. This object is effected by the insertion of an iron tube, bent into a serpantine form, over the glowing part of the fire—one end being fixed into the boiler above water level, and the other connected with an air-pump, attached to the engine—by which plan, although only a 10-inch cylinder and 12-inch stroke, the saving in fuel was from 5 to 7 cwts. of coals per day for several weeks. The following experiment also proved its complete success:—A cock was attached to the air-pipe,—and the pressure in the boiler, with the air turned off, remained at 16 lbs.; when the hot air was let in, the pressure increased in a few minutes to shove 30 lbs.,—and this under every disadvantage, as the boilers ought to have been made proportionably smaller, with other modifications required by this new source of power. EXPANSIVE POWER OF STEAM INCREASED BY HEATED AIR .- Mr. D.

Law Intelligence.

KENMARE MINING ASSOCIATION.

EENMARE MINING ASSOCIATION.

COURT OF CHANCERY—DUBLIN, CUTE 18.

Joins Dilllook Crooker e. R. J. T. Ohren, R. O. Toweshend, and other leads in the country of Kerry, for three lives, renewable for ever. This lease reserved to Arthur Dillon, the lessor, his beirs, and assigns, all minisms and minerals which might be found upon the lands, with full power to enter upon the lands, and search and dig for the same. The covenant, of which specific performance was seasing, the country of Kerry, for three lives, renewable for ever. This lease reserved asserts and dig for the same. The covenant, of which specific performance was seasing, to see the lands, and search and dig for the same. The covenant, of which specific performance was seasing, to see the lands, and search and dig for the same. The covenant, of which sasigns, of the denised lands (the mansion-house and orchards oxcepted) most contiguous to the said after the high season of the said after the season to bataining an acre-able abatement in the rent reserved.

The Attronisty General that the season of the lessor in the above lease, to John Dillon Croker, the plaintiff. He stated that ores had, from time to time, been found, both of lead and copper, on these lands—and a lead mine was opened and worked for some time, and afterwards abandousl; that a copper mine had also been discovered on the lands of Ardtully, and worked to a constant of the content of the season of the lease of the lands of lands of the lands of lands of the lands of l

initians, and concerns the plaintiff, replied; and as to the claim of R. E. Orpen, showed from the maps that it was impossible for the plaintiffs to exclude his portion, or otherwise the 300 acres would not be the most continuous to the mines.

Mr. Richard Moore, for the plaintiff, replied; and as to the claim of Is. In. Orpen, showed from the maps that it was impossible for the plaintiffs to exclude his portion, or otherwise the 300 acres would not be the most contiguous to the mines.

The LORD CHANGELLOR, having intimated his opinion in accordance with Mr. Moore's, on this point, Mr. J. D. Croker offered, through his counsel, to allow the defendant, R. E. Orpen, any sum that two respectable persons, to be mutually chosen, should fix as the actual value of the dwelling-house in question.—The Lord Chancellor said, this offer was most creditable to Mr. Croker, and relieved him (the Lord Chancellor) from a painful duty. He proceded to give judgment to the following effect:—This case is almost altogether one as to the construction of the covenant in the lease. The first leasy was made in 1750 for 61 years; 3000 acres were thereby demised for about 2200 shillings. That lease contained the same reservation of all mines and minerals, with full right to enter and dig and search for them, and reserve them to Dillon, his heirs, and assigns. The clause then went on in the very same words as in the lease of 1786, as to the right to reassume 200 or 300 acres. Look at the very small value of the land at that time, and it will afford a solution of the question, as to the right intended for the lessor. There was nothing very alarming as to the reassumption of, and let, at so low a rent. In truth, the difficulty does not arise from the construction of the instrument, but from the difference in the present from the construction of the instrument, but from the difference in the present from the former value of land. They were them a barren waste, and now they are cultivated fields. But the construction cannot vary; and I must now construe the clause, as if I were called upon to do so in the year 1760, and that a mine had been then discovered. I confess that, with all respect for the other learned judges, I prefer the original opinion of the Court of Queen's Bench, that have no doubt; this fact has been found by the decision of two juries; and if I thought this was merely a colourable working of it, I should dismiss the bill without hesitation—but it appears that a respectable company paid 1000l. as a fine on getting their lease, have expended 14,000l. in working the mines, and still continue to work them. They have actually received 7000l. or 8000l. for the ore sold. The lessees have no right to object, that the speculation has been unprofitable; such view is quite beside the question before the court. Has, then, this right been properly exercised here? It is very probable, that Mr. Croker had a desire to obtain this improved part of the estate, and had also a view to the house built upon it. But this question has been before both juries, the same witnesses were examined before them, and they have found that the part selected was the most contiguous, to the mines. I have looked upon the map for any part equally contiguous, excluding the honse of the defendant, Richard Edward Orpen, and cannot find that there is any such. My mind is quite clear, that the lands selected are the most contiguous. I do not know of any case where a tenant to part of lands, of which the conveyance has been decreed in a suit for specific performance of an agreement for that purpose, was held entitled to compensation for his outlay. He must have taken the land with full knowledge of its being liable to be taken back by the lessor, upon a contingency. If, therefore, Mr. Croker had not made the very fair and liberal offer he has done, I should not have been able to give any relief to the tenant. I am, therefore, bound to say, that the lessor is entitled to the reassumption of, the whole interest of the lessee in the 300 acres to be held by him, his heirs and sasigns, as in his first and former estate. Considering the whole case, and that the plaintiff had a clear right, and the litigation that has already been had, I am bound to decree for the plaintif, with costs. I shall declare him entitled to the me

MUNTZ'S YELLOW METAL FOR SHEATHING SHIPS, &c JUDICIAL COMMITTEE OF PRIVY COUNCIL-JUNE 20.

[Before Lord Brougham, the Master of the Hells, the Chancellor of the Duchy of Lancester, and the Judge of the Admirally Court.]

MUNTZ'S YELLOW METAL FOR SHEATHING SHIPS, &c.

JUDICIAL COMBITTER OF PRINT GOUSCIL-JUNE 20.

[Before Lord Brougham, the Master of the Molts, the Chancellor of the Ducky of Lancastor, and the Judge of the Admiralty Court.]

MUNTZ'S PATENT.—This was an application for an extension of Mr. Muntz's patent, for the manufacture of metal for sheathing of ships, composed of 60 per cent. of copper, with 40 per cent. of zinc. The courts of law and equility (with our own frequent remarks) have rendered familiar to the renders of the Mining Journal, the value of the invention—the patentice having been compelled to apply to them for protection. On a former day the case was opened by the Solicitor-General, and evidênce was now given on behalf of the patenties. Six T. Wilde, Mr. M. Hill, and Mr. Cowling appeared to support the application, which was opposed by certain parties, represented by Mr. Bethell, Mr. Knowles, and Mr. Serjeant Channell. Mr. Waddington, in the absence of the Attorney-General, watched the proceedings for the Crown.

Among the witnesses called, one of the most important was Mr Marriot, the London agent, who entered into a lengthy detail of the proceedings of his employers, such as the purchase of the metal; the houses which chiefly manufactured it for use—viz. Vivian and Co., Williams and Co., and Symonds and Co.; what was the cost when ready for use; the competition to which the patente had been subjected by the use of copper only; and since the metal had been found, not an open violation of the patent had taken place. The witness also stated, what he believed to be the amount of metal sold; that of late years that amount had greatly increased; that his commission for what he had been appointed the Liverpool agent within the last 12 wonths, and his commission was about 3004 for metal 3014 at Liverpool; that he was paid 2 per cent on the value.—Lord Brougham: Suppose that the patent no longer existed, would not Mr. Muntz have an advantage over other houses that had had no experience in such manufacture; th eing now 4 o'clock the case was acquaining the hearing.

The evidence, it is understood, in support of the application, is all given that a intended to be offered, except some extracts from the trading-books.

BOWLING IRON-WORKS, YORKSHIRE.

BOWLING IRON-WORKS, YORKSHIRE.

YICE-CHANCELLORS' COURT—JUNE 25.

STURGES v. PALEY.—This was a motion for the payment out of court of a sum of 10,000L, being one-sixth part of the funds of a company entitled the "Bowling Iron Works," at Bradford, in Yorkshire, to the credit of the plaintiffs in the suit, instituted for the winding up the affairs of the company, which had been established for 40 years, ond had now expired by effluxion of time. A reference to the master had been ordered, but all the answers had not come in. Several of the members of the company were dead, leaving children, and some were married women, and all, both plaintiffs and defendants, concurred in this application, except a gentleman named Pollard, who was the holder of six shares as one of four trustees, in whom 24 shares were vested, the company consisting of 120 shares; and the motion now made asked a direction, that the receiver in the cause should pay out to the parties applying the 10,000L in question.

Mr. Kors, Mr. I. Parker, and Mr. Danker, for the plaintiffs, argued that, although the cause had not come to the hearing, the sum sought to be paid out was only one-sixth; and there being no question to be decided at the hearing, there was no objection to this application—a compliance with which was of the numost importance to the parties, who all concurred, with one exception.

Mr. Bethell, Mr. F. Walford, and Mr. Amphlett, appeared for all the defendants, except Mr. Pollard.

Mr. Hethell, Mr. F. Walford, and Mr. Amphlett, appeared for all the defend-ants, except Mr. Pollard.

Mr. C. P. Cooper and Mr. Rogers appeared for Mr. Pollard, and contended, that, this being an adverse suit, it was impossible to make this order; the rights of the parties not being finally ascertained, the application was premature.

The Vick-Chancellor thought that it would be much better that this mat-ter should stand over until the hearing of the cause.

LITERARY NOTICES.

Idanual of Practical Assaying: intended for the Use of Metallurgists, Captains of Mines, and Assayers in General. By JOHN MITCHELL, Member of the Chemical Society. London: H. Baillière, Regent-street.

of Mines, and Assayers in General. Hy John Mitchell, Member of the Chemical Society. London: H. Baillière, Regent-street.

The vast extension which has taken place in mining operations during the past few years, and the increased facilities which science has placed within reach, for the development of the hidden metallic treasures of the earth, have raised a spirit of enterprise and research, which is fast extending to all quarters of the globe. Notwithstanding which, and the rauk that mining, and the English miner, holds among the nations of Europe, and work, satisable to the advanced state of modern science, has yet appeared, exclusively devoked to the elucidation of the processes to be employed in ascertaining the richness in metal of any sample of ore—or, in other words, a complete treatise on mineral analysis. It is perfectly correct, as the author observes, in his Proface, that the knowledge of assaying sconfined to comparatively a very few individuals; and, having no suitable text-book for his papils, a portion of the pages under notice were penned for this purpose; but work on such adulect being a desideratum, the original plan was altered, and extended to its present form—that of a manual, embodying information in every branch of assaying, either by the humid or dry processes. In the work before us, the author has well fair filled the task undertaken—omitting, as far as possible, those technical terms, which but embarrass the learner, while the proper clemical terms are retained and explained; and the entire mechanical and chemical operations—2. Furnasce, fuel and crucibles—3. Fluxes, their properties, preparation, and use.—4. Essay on the blow-pipe.—5. Action of fluxes on the same minerals.

—Method to discrimination and content are as follow:—1. Description of mechanical and chemical operations.—9. A copious table to ascertain, in assays of gold and eliver, the pracie amount—in ounces, pennyweights, and grains—of the metal contained in a tor of ore, from the assay of a quantity given.—We shall avail

ABSTRACT OF PATENTS GRANTED IN JUNE.

- of rotary steam-engines.

 H. L. T. T. Von Uster, college of Civil Engineers, Putney, for improvements in apparatus or machinery for measuring and indicating the distance travelled by wheel carriages.

 W. Stubbs, and J. I. Grills, Llanally, South Wales, for improvements in locomotives and other engines and carriages.

 W. C. S. Percy, Manchester, for certain improvements in the manufacture of bricks, tiles, chimney-pots, and other similar articles.

 J. C. Robertson, Fleet-street, London, for certain improvements in railways and rail-
- J. C. Robertson, Fleet-street, London, for certain imprevements in railways and taways carriages.

 G. Lowe, Finsbary-circus, of an extension of a patent for increasing the illuminating power of such coal gas as is usually produced in gas-works; also, for converting the refuse produce from the manufacture of gas into an article of commerce not heretofore produced therefrom; and also, of a new mode of confuncting the process of confensation in the manufacture of gas for illumination.

 R. Rettle, Glasgow, for certain improvements in the manufacture of fuel, parts of which improvements are applicable for the purposes of parifying, compressing, or extracting vegetable and other substances, and fluids, and in the machinery or apparatus to be used for the same.

 W. Cormack, Thames-street, Greenwich, for improvements in obtaining motive powers. H. Austin and T. W. Rammell, Walbrook, City, for improvements in wood, messic, and tessellated work.

 S. T. Garrett, Cliff-bank Lodge, Stoke-upon-Treat, for certain improvements in co-

- H. Ausan and T. W. Igainment, wantous, City, for improvements in some and tessellated work.

 S. T. Garrett, Cliff-bank Ledge, Stoke-upon-Trent, for certain improvements in coments, bricks, tiles, quarries, slabs, and artificial stones.

 W. M. Hall, Leeds, for a certain improvement, or certain improvements in, and applicable to skiding gas pendants, lamps, lustres, and chandleliers.

 J. George, Chelses, Middlesex, for improvements in the construction of desires, tmildings, and other crections.

 W. T. Nesham, Londan Decks, for certain improvements in the appearing and medical applying power for raising and lowering weights of heavy bodies.

 A. Lord, Allerton, Cheshire, for certain improvements in furnises and the loss of steam-boliers, for the purposes of consuming the amoke and economism the last.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

-Asturian Mining Company—offices, at One.

Bahia Steam Navigation Company—George and Vulture, Twelve for One.

South Australian Banking Company—offices, at One.

Anglo-Mexican Mining Association—office, at One.

South Australian Company—office, at One.

Angle-Mexican Mining Association—office, at One.
South Australian Company—office, at One.
Mining Company of Scotland—office, at Twelve.
European Gas Company—office, at Twelve.
European Gas Company—office, at Twelve.
Saubre and Messe Ballway—London Tavern, at One.
Clergy Matual Assurance Society—office, at Two.
Kensington Canal Company—King's Arms Tavern, Kensington, at Elever
Trent Valley, Midlands, and Grand Junction Railway—office, at Two.
Royal Exchange Assurance Company—office, at Twelve.
Devon and Courtney Consols Mining Company—Globe inn, Plymouth.
London Docks Company—offices, at One.
West Planders Railways—London Tavern, at One.
inas of Mining Companies are inserted anong the Mining Intelligence.

The meetings of Mining Companies are inserted among the Mining Intelligence.]

BANK OF AUSTRALASIA.

The annual meeting of this company was held at the new establishmen ustinfriars, on Monday, the 22d inst...—C. H. FOSTER, Esc... in the chain The annual meeting of this company was held at the new establishment, in Austinfriars, on Monday, the 22d inst.—C. H. FOSTER, Esq., in the chair.—The SECRETARY (Mr. Milliken) read the report of the directors—the substance of which was, that the profits arising from exchange operations had been greatly diminished. The bank had been subjected to two irksome and expensive trials in respect to their claim from the Bank of Australia (namely, 150,000.); in the first of which, the jury were discharged from being unable to agree on a verdict; in the second, the justice of the claim of this company was completely established, but the verdict was taken in such a way, that a question might be raised on appeal before the Privy Council, for which steps had been taken by the directors, and they were persuaded that this process would be attended by ultimate success. The undivided profits in October, 1844, were 102,966.7 s. 10d., to which were to be added the last year's net profits of 31,083.6 s. 1d. There was a sum of 109,307.0 s. 7d. applicable to the payment of dividends; but, looking to the contest with the Bank of Australia, and the probable development of further losses, the directors advised, for the present, a suspension of dividends. Still, the business done was of a safe and legitimate character; the deposits had increased, and the properties held in security for debts had improved in value.—After some discussion, in which Mr. J. Wilson, Mr. G. R. Robinson, Mr. Newsom, Mr. M'Dougall, Mr. Brownrigg, Mr. O'Farrer, and others, took part, the report was agreed to, and three directors were re-elected, when thanks were voted to the directors, and the meeting adjourned.

Robinson, Mr. Newsom, Mr. M'Dougall, Mr. Brownrigg, Mr. O'Farrer, and others, took part, the report was agreed to, and three directors were re-elected, when thanks were voted to the directors, and the meeting adjourned.

Canada Camany.—A half-yearly general court of the proprietors of this influential company was held on Thursday, the 25th inst., at the offices, in St. Helen's-place, Bishopsgate-street, for the purpose of declaring a dividend, and on other affairs.—Charles Franks, Esq. (the governor), was in the chair;—the minutes of the last court having been read by Mr. Perry (the secretary), the Governor of the last court having been read by Mr. Perry (the secretary), the Governor for the subjoined statement:—Sales, 3767 acres Crown reserves; 3621 acres Huron tract—7388; Jeases, 12,066 acres—making a total of 19,464 acres.—Receipts to 27th May, 23,4151 4s. 10d.—A dividend was declared (at the rate of 6 per cent. per annum) for the half-year to July next and after.—Sir J. Easthore made a few remarks upon matters before the meeting, and described the very satisfactory position in which the company stood.—The court then adjourned.—[There was no reference made to the subject of the corn laws, or the effect which the alteration in the duties may have upon Canadian agriculture.]

Caledonian Railway.—We have, from time to time, noticed the progress of certain distant portions of the Caledonian Railway; and with the view to ascertain the state of the works near our own doors, we travelled, on Saturday last, over the seven miles of the line between Carlisle and the Esk, at the iron bridge, on the Glasgow road. The contractor, Mr. Burgess, commenced operations only in March last; and, under his able superintendence, the cuttings and embankments have been put in considerable forwardness. Of the former, those at Kingmoor and Blackrigg are the deepest—one being 42 ft., and the other 21 ft. in depth. Upon both of them a large force of men is at work, and rapidly effecting a throughfare. A third, at Ann's Hill, and about 4

not have been at the expense of forming, and which will carry from their land the immense pools of water by which it was rendered, to a great extent, use-less.—Carlisle Journal.

Law of Liability.—The following is a copy of the opinion of a Queen's counsel just taken place, on some points arising out of the transactions of a rail-way company which has withdrawn its bill. The questions are so shaped as to render a statement unnecessary:—Question 1: Are the original subscribers, who have lately sold their scrip, still liable to unsatisfied creditors?—Answer: They are. Question 2: Are they liable for such further calls as may bemade?—Answer: This depends upon whether the directors and other subscribers have accepted the purchasers in their place, and so released them. Question 3: Will the Court of Chancery compel the purchasers to indemnify the sellers against their liability to creditors, and for calls?—Answer: It will not, unless there were special agreements to that effect. Question 4: The Joint Stock Company Regulation Act, 7 and 8 Vic., c. 110, sec. 26, prohibiting the sale of shares before complete registration, are not sales, the company being only provisionally registered, illegal? If not, are not such sales illegal upon other grounds?—Answer: It has been determined, that the above section does not apply to railway companies. The circumstance, therefore, of the company being only provisionally registered, is immaterial. The sale of railway scrip does not appear to be illegal, notwithstanding there are some dicta in the books not favourable to such a transaction. But though the sale be not illegal, yet it will be seen, from any answers to the other questions, that the result of it is different from what probably most original subscribers have anticipated. A sale of railway scrip, in the way usual in the City, merely creates the relation of trustee and cestui que trust between theoriginal subscribers have anticipated. A sale of railway scrip, goods of the Great Pasley's "Report on Captain Powell's Patent Sec

shall be transferred to the truck, belonging to whichever gauge is used thereon; and under the supposition of their making a journey on a line commencing with one of these gauges, and arriving at a station where there is a break of gauge, they may be transferred from the trucks of a narrow gauge line to those of a broad gauge one, or vice versa, at a crosssing of the two lines made for the purpose, from whence they can be turned into the new direction required, by means of common turning tables. This arrangement will require the owners of goods to provide themselves with carriage-frames and moveable bodies for the purpose, and will also require new trucks to be fitted for railway use to receive such bodies. The latter are proposed to be moved by means of small pulleys from one carriage, or railway truck, to another, guided by little rails, and are kept in position by moveable ends and sides, first to be let down, and afterwards turned up and pinned; whilst they are prevented from jumping by dovetailed groves, which, in the small models exhibited by the inventor, admit of those moveable bodies being turned upside down without their falling off. He considers, that it would be very advantageous for the Government to have carriages and moveable bodies of this description for gunpowder and other stores, as well as for baggage of troops. Very great accuracy would be required in all the fitments proposed by him, which are very ingenious; but as to how far they might answer in railway practice, I cannot venture to give an opinion. I recommended him to apply to some railway company to give his invention a trial, which he says he has done by reference to the Great Western. He wished me to recommend it, which I declined—as I informed him, it had been the rule of this department not to urge the adoption of untried inventions, involving expense by any railway company to the that I would report to your lordship upon it, which I now do. It would be difficult to explain more than the general principle of Captain Powell's arran

New Locomotive.—An experiment of some interest was made a few days since on the St. Germain Railway, by a locomotive on a new principle, which drew a train of 80 to 40 tons over an incline of something less than 1 in 30, five-eights of a mile long, at a rate of about 25 miles an hour; and we can consider this trial important, as it may possibly cause a modification of the laws affecting the construction of railways, as, if the inclines can be overcome so easily, it must reduce the cost of railway works: some new trials are to be made to determine the power, speed, and consumption of fuel of this new locomotive. We are indebted for this new invention to M. E. Flachat, engineer-in-chief of the Versailles and St. Germain lines.

motive. We are indebted for this new invention to M. E. Flachat, engineerjn-chief of the Versailles and St. Germain lines.

Cornwall Railway.—On the motion of Sir C. Lemon, that the Saltash
branch of the Cornwall Railway bill be read a third time, Mr. Duncombe presented a petition against it, and Captain Berkeley proposed a postponement of
the third reading, until certain papers should be placed in the hands of members; he complained of the bridge over the Tamara, as it would interfere with
the navigation.—Lord Morpeth had never heard of so unnecessary an interference with a private bill; it was a measure of great importance, and ought to
pass into a law.—Mr. Hume thought a line might be had to Plymouth, without interfering with the Saltash navigation; the question was one of great importance, and ought to be postponed for a year, if necessary, that it might be
fully considered in all its bearings.—After some further conversation, the House
divided; when there appeared for the motion, 193; against it 18;—majority, 175.
The Lords of the Admiratly have no objection to the Saltash Bridge, provided
there are four arches, the two centre ones to be 300 ft. span each, and 95 ft.
clear in height above high water at spring tides. Mr. Walker has made a long
report on the subject, in which he expresses an opinion, that such bridge would
not be objectionable, but a less height would be too low. Mr. Brunel, however, has written to the Secretary of the Admiratly, stating that such conditions are tantamount to a defeat of the bill, and requesting reconsideration, as
85 ft. is the utmost in the power of the promoters: this was, however, previous
to the above decision in the House of Commons; and there is no doubt, that
the subject will now be arranged to the satisfaction of all parties.

WEST CORNWALL RAILWAY.—On Monday last, Mr. Cockburn, Q.C., addressed the committee against this line. He contended that it was wrong to

tions are tantamount to a defeat of the bill, and requesting reconsideration, as 85 ft. is the utmost in the power of the promoters: this was, however, previous to the above decision in the House of Common; and there is no doubt, that the subject will move be arranged to the satisfaction of all parties.

WEST CORNWALL RAHWAY.—On Monday last, Mr. Cockburn, Q.C., addressed the committee against this line. He contended that it was wrong to consider it a local scheme only, for the through traffic between the metropolis and West Cornwall was of by far the greatest importance, and much more to be looked to than any which might exist between Penzance, Truro, and Falmouth. This line left the rich agricultural district of Helston quite without accommodation. Helston district, though itself peopled by only 10,000 inhabitants, was yet the market to which upwards of 35,000 resorted. The best line would be one which passed through, or close by, this important part of the county. The adoption of the present Hayle Railway ought, in itself, to prove fatal to this scheme. That line, in 1886, was constructed, but as a mineral line only, to be worked by horse-power—it being, by its curves and gradients, wholly unift for passenger traffic, and to be worked by locomotives. It had not proved by any means a profitable speculation, as the liabilities already incurred amounted to 35,000. This the promoters of the present scheme proposed to incorporate with their own project, because the proprietors were influential people in the district, and who would give their assistance and co-operation to the West Cornwall Railway, on the condition that their own bad lines should be taken off their hands. Last year, when this project was brought forward, the promoters proposed joining this Hayle Railway on a level, and thus give great accommodation to Hayle itself, but now, as they junction was to be 28 ft. above the level, they would have to resort to a "lift," to transfer the goods from the one to the other line. The fact was, the interests of W

be gone through to-morrow (this day), when we hope to be able to state more accurately the decision of the committee.

RAILWAY TRAFFIC.—From our official returns, it appears that the amount of traffic, for the last week, on nearly 1800 miles of railway was 152,4807, thus accounted for:—93,3837, for the conveyance of passengers only, 30,4397, for the carriage of goods, and a remainder of 28,6857, tor passengers and goods together, not respectively apportioned; being an increase over the corresponding week of last year of 16,7811.—Bailway Chronicle, of this day.

AUSTRALIAN MINES.—The wealth of the Burra Burra Mines, nows ogenerally acknowledged, receives additional confirmation from the occurrences of each succeeding week.—641 tons of copper ore have been put on board the vessels now about to sail for England; the great capabilities of the mines are more apparent than ever; and the favourable preponderance of public opinion, influenced as it is by almost unanimous report, has been further exemplified by the recent asle of Mr. Solomon's 40 (51) scrips, which realised 10001., being 400 per cent. advance. It is asserted, that shares are now saleable at a still higher price; and if 251. is henceforth to be considered the minimum price in the colony, it is impossible to foresee the effects which may be looked for beyond it. The Burra Burra men, who came into town, on leave, to spend the Christmas holida; s, have nearly all returned; and we may expect soon to witness a large augmentation of the already wondrous weekly production.—Australian paper.

VALUE OF ANTHRACITE COAL ASHES.—In a former Number, one of our correspondents gave an excellent article on the value of anthracite ashes for corn. Since this, we understand they were applied on the grass lands in New Jersey, last spring, at the rate of 50 bushels per acre; and notwithstanding the unprecedented drought. they ware the means of doubling the arms.

fespondents gave an excellent article on the value of anthracite ashes for corn. Since this, we understand they were applied on the grass lands in New Jersey, last spring, at the rate of 50 bushels per acre; and notwithstanding the unpresented drought, they were the means of doubling the crop of grass. As there are more or less hard cinders in these ashes, after spreading them on grass fands, it would be well to pass a roller over the meadow, in order to sink the cinders in the ground, out of the way of the edge of the scythe. Anthracite ashes can be had in the city for the mere cost of gathering, and in some instances the corporation carts will deliver them on the dock, gratis. We hope to see them no longer wasted in the streets of New York.—American Agricul.

stances the corporation carts will deliver them on the dock, gratis. We hope to see them no longer wasted in the streets of New York.—American Agricul.

Proparic Glut of Gold!—We find it stated, in a French scientific paper, that Siberia contains gold in such abundance, that its discovery is likely to produce a financial revolution in Europe similar to that which took place on the discovery of Peru. In the period of the last 14 years, the produce of the gold mines in that country is said to have doubled.—11,000 persons are daily employed in washing the mineral; and three times the number could be so occupied if the hands could be found. Nothing but this want of labourers, adds our authority, prevents the markets of Europe from being filled with the gold of this rich deposit.—Liverpool Albion.

ROYAL POLYTECHNIC INSTITUTION. We had the gratification of hearing an admirable lecture by Dr. Ryan, of this establishment, on the subject of diving and other submarine operations, which the learned lecturer divided into two heads—first, the physical difficulties attendant upon diving; and, secondly, the means suggested by the ingenuity of man for overcoming those difficulties. Under the first head, he gave a clear and concise view of the theory of respiration, which he rightly termed the most important act of our existence; and proceeded to explain the action of the oxygen of the air in converting venous into arterial blood, and pointed out that the venous blood could not circulate through the arterial system without becoming a most deadly poison. He then described asphyxia, resulting from suffocation—and demonstrated that the cause of that condition was the prevention of the passage of oxygen into the lungs, in order that the blood might be arterialised. He next demonstrated, that man was formed for breathing a gaseous atmosphere; and that, though water contained air, yet man could not separate it for respiratory purposes as fishes do. In describing the diving dress, the lecturer gave some most interesting details, prov

ARNAGH, COLERAINE, AND PORTRUSH RAILWAY.—A meeting of scripholders in this company was advertised to take place at the offices of the Messrs. Phillips and Son, 28, Lawrence Pountney-lane, on Tuesday last—when but few persons attended, and some gentlemen (who were present) were not holders, but appeared for others without legal proxies, and consequently could not vote. A very few hundred scrip, at most, could have been represented, excepting a list which Mr. Phillips held in his hand from country holders, to the extent (he stated) of 2000 scrip, who were determined to endeavour, by all legal means, to obtain the entire return of their deposits. The chair was taken by John Carter, Esq., who observed, that the meeting had been called to take the sense of the proprietors who might attend, on the propriety of demanding from the directors the return of the whole deposit of 11.7 s. 6d., instead of 11., as offered by them: they had subscribed to the undertaking, under special agreement, for the going to Parliament, to endeavour to obtain an act for the construction of a particular line: the directors had neglected to take the necessary steps,—and, as they had now thought fit to amalgamate (as it appeared they had) with a company of which he knew nothing, and without any application to the shareholders, he thought they were entitled to the return of the whole of their deposits.—This led to a protracted and most unbusiness-like conversation (for discussion it could not be called), which lasted nearly two hours—during which, a motion for the appointment of a committee was moved by Mr. Palliser, seconded, and said to be carried—but it afterwards turned out, that the mover was not a proprietor, and (of course) the motion fell to the ground. Mr. Phillips, however, with the consent of the chairman out, that the mover was not a proprietor, and (of course) the motion fell to the ground. Mr. Phillips, however, with the consent of the chairman, recorded it as having been moved, seconded, and carried (no names),—"that a committee of three be appointed, to demand of the directors the return of the whole of the deposits,—and that they report the result to an adjourned meeting, to be held that day fortnight." A vote of thanks to the chairman was then carried, and the meeting separated.—However blameable the directors may have been, for deciding on so important a point as an amalgamation, without an appeal to the proprietors, it is but justice to observe, that a strong feeling is prevalent that it is the best step which could be adopted. This line, and the Dublin, Belfast, and Coleraine Railway, run through the same district of country; and if both went to Parliament, a severe and expensive opposition must have been the result: it was, therefore, decided to lay both surveys before an eminent and disinterested engineer—Mr. Rastrick was chosen; and, after 11 days' consultation and inspection by both parties, with the engineer, they were both found to possess merits and defects so equally, that one circumstance alone, and that an important one, governed the decision. Both lines run through land belonging to the Mercers' Company, who stated that, if the Dublin line was decided upon, they would support it; but if the Armagh, Coleraine, and Portrush, was adopted, they would give their most decided opposition, as it went through a portion of land which they could not agree to have dismembered. The Dublin, Belfast, and Coleraine line, therefore, goes to Parliament with the interests of both companies—the deposits of the Armagh Company having been handed over to the Accountant-General, in their joint names; and, should the undertaking be proceeded with, it will, doubtless, be a paying line. out, that the mover was not a proprietor, and (of course) the motion fell to the ground. Mr. Phillips, however, with the consent of the chairman, will, doubtless, be a paying line.

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RAILWAY BILLS.—The following is an account of all railway bills, which have been reported to the House of Commons during the present session, with a statement of the maximum rates of charges and fares for goods and passengers, respectively authorised by such bills. The document contains 138 bills, made up to the 29th of May. From an examination it appears, that in the first class the highest sum per mile to be charged for passengers is to be 3\frac{1}{2}d., and in the same class 2d.; whilst in the third class the charge is to be 1d. and 1\frac{1}{2}d. In the second class the charge in some instances is to be 1\frac{1}{2}d., and in others 2d. a mile. On some of the railways, when the speed is more than 25 miles per hour, an additional \frac{1}{2}d. is allowed in the first class. The charges in some of the bills, reported during the present session, are to have reference to former acts. In the Great Western bill no provision has been made with regard to charges of any description.

The Risca Charty.—A meeting of the committee—who so kindly and zea-

The Risca Charity.—A meeting of the committee—who so kindly and zealously interested themselves in raising a provision for the widows and orphans of the colliers who fell victims to fire-damp, in January last—was held on the 12th inst., at the Risca office—John Russell, Esq., in the chair; on which occasion the preliminary arrangements were entered into for the protection from want of the most necessitous objects, by a weekly allowance. A committee of management was formed, to allocate the annual sum accruing from the interest of money invested in the Savings' Bank to the best advantage, and the most deserving applicants. On the closing of the accounts, which will shortly take place, we shall give a complete list of the subscribers, and the particulars of the final arrangement.—Monmouthshire Merlin.

inal arrangement.—Monmouthshire Merlin.

LORD LONDOSDERRY'S COLLERIES.—Never was there a time when the coaltrade of Seaham Harbour was in such a high state of prosperity as the present.

The number of men connected with the works of the harbour have been increased, so that coals may be shipped with greater expedition. While many
of the collieries in the neighbourhood are doing little or nothing, the whole of
the collieries belonging to the Marquis of Londonderry are working 12 days in
the fortnight.—Sunderland Herald.

It is stated that 2000? worth of gunpowder has been spent in the blasting of one cutting, near Kirstall, on the Leeds and Bradford Railway.

The cutting, near Kirstall, on the Leeds and Bradford Kallway.

HOLLOWAY'S OINTMENT AND PILLS IN NEWFOUNDLAND.—Chas. ThorneEsq., merchant, of Harbour Grace, had a bad leg, of a fearful nature, and long duration,
for which the medical aid of the island afforded no relief; whereupon he determined on
proceeding to England, to try if it were possible to get it soundly healed; but, as a last
resource, and before adopting such a course, he used Holloway's pills and ointment, which
speedily effected a cure of his leg. The particulars of this surprising case were received
by last packet, from Mr. Spry, proprietor of the Mercury newspaper, Carbonear, Newtoundland. These celebrated medicines, which are sold at Frofessor Holloway's establishment, 244, Strand, London, and by every dealer in medicines, will cure all skin discuss.

DOLKINGHORNE'S PATENT METHOD OF TREATING

POLKINGHORNE'S PATENT METHOD OF TREATING TIN ORES.

Messrs. POLKINGHORNE & CO. beg to acquaint ADVENTURERS, and OTHERS interested, in TIN MINES, that they have just obtained HER MAJESTY'S LETTERS PATENT for the SOLE USE of a COMPOUND SOLUTION, effectually to LEANSE TIN ORE from all extraneous metals—thereby increasing its value from £2 to £4 per ton. Messrs. P. and Co. are NOW READY to SUPPLY the article from their manufactory, COPPERHOUSE, HAYLE, CORNWALL, in casks of 10 gallons each, which quantity is sufficient for a ton of ore.—Price 104 pgcask, and license 5s. per ton of ore.—NB. Every information can be obtained by applying at the patentee's offices, 19, Clement's-lane, London.—April 4, 1846.

THE PATENT SAFETY FUSE, OPENMALINE, OPENATIONS—This article affords the SAFEST, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very hazardous operation. From many testimonies to its userminess with which the manufacturers have been favoured from every part of the kings dom, they select the following letter, recently received from John Taylor, Esq., F.R.S., &c.,—"I am very glad to hear that my recommendations have been of any service to you; they have been given from a thorough conviction of the great usefulness of the Safety Fuse; and I am quite willing that you should employ my name as evidence of this? Manufactured and sold by the Patentees, BfCKFORD, SMITH, and DAVEY, Capin red and sold by the Patentees, BICKFORD, SMITH, and DAVEY, Com

DATENT IMPROVEMENTS IN CHRONOMETERS. WATCHES, AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockspur-street watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the manufacture of his chronometers, watches, and clocks, is secured by three separate patents, respectively granted in 1836, 1840, 1842. Silver lever watches, jewelled in four holes, 6 gs. cach; in gold cales, from 28 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. cach, DENTS PATENT DIPLIEDOSCOPE, or meridian instrument, is now ready for deliver, Pamphlets containing a description and directions for its use is, each, but to customars gratis

SEYSSEL ASPHALTE COMPANY—CLARIDGE'S
PATENT.—ESTABLISHED MARCH, 1838, FOR WORKING THE MINERAL ASPHALTE ROCK OF PYRIMONT SEYSSEL,

A Bituminous Rock, situate on the Eastern side of the Jura.

ROUEN, MARSEILLES, AND STANGATE,
Surrey Side of Westminster-bridge, London.

The ASPHALTE OF SEYSEL has been EXTENSIVELY USED, since March, 1838,
for the following useful purposes:
FOOT PAVEMENTS (public and other)
KITCHEN FLOORS
BASEMENTS—where it is essential to keep
dampe from thing
COVERING OF RALLEDAD and OTHER

BASEMENTS where it is essential to keep damps from rising GARDEN WALKS and TERRACES CARRIAGE DRIVES COACH-HOUSES and STABLING DOG KENNELS BARN FLOORS LINING OF TANKS, FISH PONDS Z DRAINS, &c. &c. Note.—The Seysel Asphalte Company are prepared to enter into special contracts for the execution of railway work, and other public works of magnitude.

1. FARRELL, Secretary, Seyssel Asphalte Company, Stangate, London.

London:—Printed and Published, weekly, by Henry English, at the Office, No. 26, FLEET-STREET, in the city of London, where all Communications and Advertisements are requested to be forwarded—addressed to "the Editor"—post-paid.

[June 27, 1846.